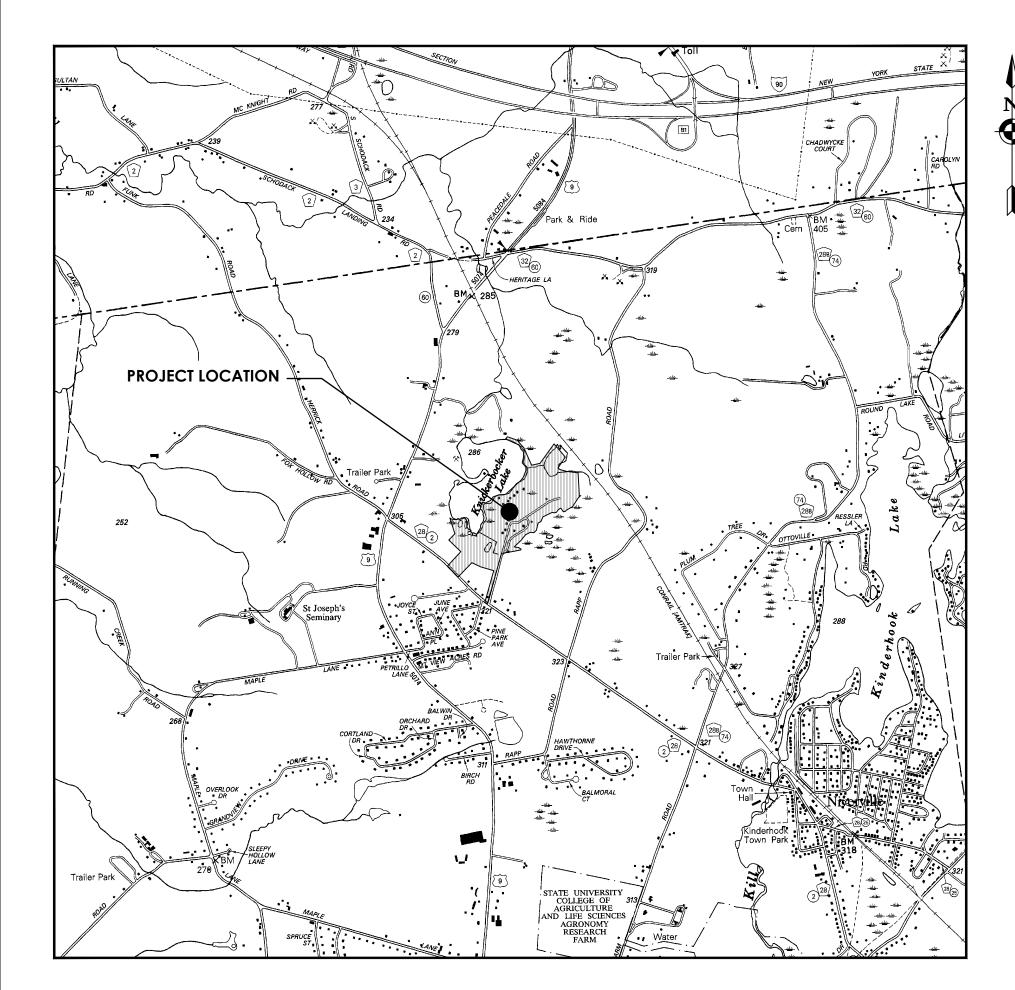
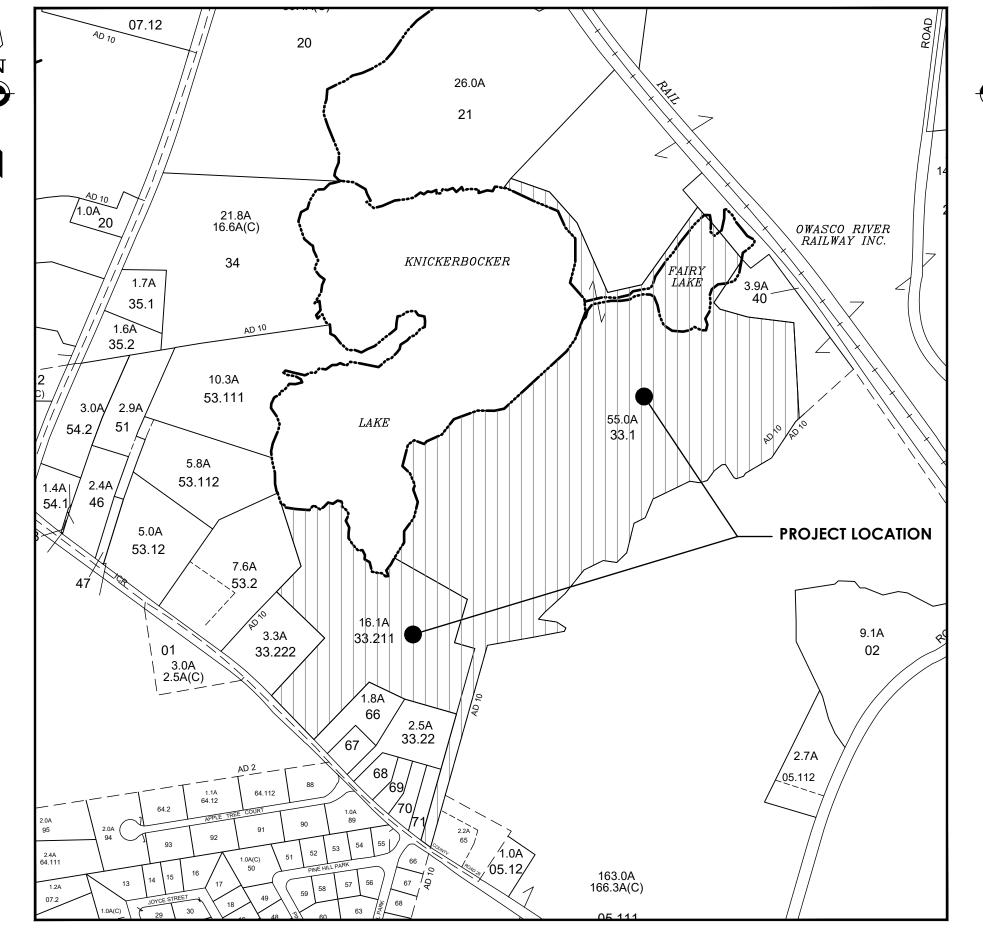
# SUN KINDERHOOK, LLC SUN UNCHARTED KINDERHOOK

# PLANNING BOARD REVIEW JANUARY 2022

## TOWN OF KINDERHOOK COUNTY OF COLUMBIA, STATE OF NEW YORK







VICINITY PLAN

DRAWING TITLE	SHEET NO.
TITLE SHEET:	G-000
GENERAL NOTES:	G-100
EXISTING CONDITIONS PLAN:	
DEMOLITION PLAN:	
OVERALL SITE PLAN:	
SITE PLAN WORK AREA A:	C-201
SITE PLAN WORK AREA B:	
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PROFILES - 1:	
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## APWA UNIFORM COLOR CODE UNDERGROUND UTILITY LINES PROPOSED EXCAVATION ELECTRICAL POWER LINES, CABLES CONDUIT AND LIGHTING CABLES GAS, OIL STEAM, PETROLEUM OR GASEOUS MATERIALS COMMUNICATION, ALARM OR SIGNAL LINES CABLES, OR CONDUIT BLUE SEWER & DRAIN LINES

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COUNTY ROUTE 28, KINDERHOOK NY 12106

PROFESSIONAL STAMPS



01/03/2021 **AS NOTED** Project Status PLANNING BOARD REVIEW

BGR Drawing Title

TITLE SHEET

- CONTRACTOR SHALL CONTACT 'DIG SAFELY NEW YORK' PRIOR TO COMMENCING CONSTRUCTION. 1-800-962-7962
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATIONS OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATION LOCATIONS OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS (THE CONTRACTORS) RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. NO WARRANTY IS MADE OR IMPLIED REGARDING THE EXACT LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES.
- PRIOR TO THE INSTALLATION OF ALL NEW EQUIPMENT AND APPURTENANCES, THE CONTRACTOR IS DIRECTED TO LOCATE EXISTING STRUCTURES, PIPELINES OR EQUIPMENT TO ASCERTAIN IF SAID ITEM IS IN CONFLICT OR CONTRADICTION TO THE INTENT OF THE CONTRACT PLANS OR SPECIFICATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTATION TO THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE FULL SCOPE AND INTENT OF THE WORK.
- 6. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR THE FIELD LAYOUT OF ALL IMPROVEMENTS.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY LINE MONUMENTATION. ANY MONUMENT DISTURBED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE BY A NEW YORK STATE LICENSED LAND SURVEYOR.
- EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR, AT HIS OWN EXPENSE AND AS NEEDED, TO VERIFY EXISTING SUBSURFACE CONDITIONS.
- 10. ALL EXCAVATION AND ANY REQUIRED SHEETING, SHORING OR BRACING SHALL BE CONDUCTED IN FULL CONFORMANCE WITH THE LATEST REVISIONS OF THE NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEETING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
- 11. THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, FULL ACCESS TO ALL ROADWAYS 23. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN AND SHRUBS FROM AND DRIVEWAYS IN AND AROUND THE SITE.
- 12. THE CONTRACTOR SHALL NOT STOCKPILE ANY MATERIALS OR CAUSE ANY MATERIALS 24. CONTRACTOR SHALL RE-ESTABLISH ALL EXISTING DRAINAGE DITCHES/ SWALES TO BE PLACED ON ANY ROADWAYS OR PARKING AREAS THROUGHOUT THE SITE THAT IS NOT DESIGNATED AS A STAGING AREA.

### **PERMANENT SEEDING:**

ALL AREAS NOT SPECIFIED WITH GRAVEL, CONCRETE OR ASPHALT COVER IS TO BE SEEDED WITH A PERMANENT SEED MIXTURE IN ACCORDANCE WITH THE FOLLOWING

A) SHALL BE DONE BETWEEN MARCH 15 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1, EXCEPT OTHERWISE APPROVED IN WRITING BY THE ENGINEER.

A) COMMERCIAL (5-10-5) INORGANIC, OR ORGANIC, CONTAINING NOT LESS THAN 5 PERCENT NITROGEN, 10 PERCENT AVAILABLE PHOSPHORIC ACID AND 5 PERCENT WATER SOLUBLE POTASH B) OTHER FERTILIZERS WITH A 1-2-1 RATIO SUCH AS 10-20-10 OR 6-12-6 MAY BE SUBSTITUTED FOR ABOVE.

C) APPLY 5-10-5 EVENLY AT A RATE OF 40 POUNDS PER 1000 SQ. FT. OR 2 POUNDS OF NITROGEN PER 1000 SQ. FT.

A) OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO TONS PER ACRE. WOODFIBER HYDROMULEN OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

A) APPLICATION RATE: 1.) STANDARD MIXTURE: 3 POUNDS PER 1000 SQ. FT. 2.) SPECIAL MIXTURE: 5 POUNDS PER 1000 SQ. FT.

- B) HYDROSEEDING: ) APPLY SEEDING MATERIALS BY AN APPROVED HYDROSEEDER
- 2.) DISTRIBUTE UNIFORMLY A SLURRY MIXTURE OF WATER, SEED, FERTILIZER, AND MULCH AT A MINIMUM RATE OF 57 GALLONS PER 1000 SQ. FT.
- C) DRY APPLICATION: 1.) SOW SEED EVENLY BY HAND OR SEED SPREADER ON DRY OR MODERATELY
- D) PROVIDE THE FOLLOWING SEED MIXTURE:

PERCENTAGE AMOUNT BY WEIGHT SPECIES PURITY | GERMINATION RED FESCUE

### 13. CONTRACTOR IS TO GRADE ALL DISTURBED AREAS ON THE SITE TO PROVIDE POSITIVE

- DRAINAGE AWAY FROM ALL STRUCTURES
- 15. THE CONTRACTOR SHALL PROVIDE BARRICADES, INCLUDING TEMPORARY FENCING TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS AND TO PROTECT EXISTING AND NEW FACILITIES FROM DAMAGE BY CONSTRUCTION OPERATIONS OR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODOLOGY UNLESS OTHERWISE REQUIRED BY THESE PLANS AND SPECIFICATIONS.

VANDALISM.

- ALL EXCAVATIONS SHALL BE BACK FILLED TO FINISHED GRADE. THE WORK ZONE SHALL BE PROTECTED WITH BARRELS SPACED NO MORE THAN 25 FEET APART AT THE END OF EACH WORKDAY.
- 18. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS, AND ROADSIDE FEATURES INCLUDING LAWNS, DRIVES, CULVERTS, DRAINAGE SWALES, FENCES, SIGNS, MAILBOXES AND OTHER PUBLIC OR PRIVATE PROPERTY TO IT'S PRE-CONSTRUCTION CONDITION UNLESS OTHERWISE REQUIRED BY THESE PLANS AND/OR SPECIFICATIONS.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION DEWATERING AND MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF CONSTRUCTION.
- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DETAILED SET OF OF RECORDED DRAWINGS INDICATING THE EXACT LOCATIONS INCLUDING ELEVATIONS, OF ALL IMPROVEMENTS. A MINIMUM OF TWO (2) TIE DISTANCES TO PROMINENT FEATURES SHALL BE PROVIDED TO ALL NEW STRUCTURES CHANGES IN PIPE ALIGNMENT (HORIZONTAL AND VERTICAL) AND OTHER PERTINENT FEATURES, TO PERMIT THE LOCATION OF ANY BURIED COMPONENTS. UPON COMPLETION OF CONSTRUCTION. THESE PLANS SHALL BE PROVIDED TO THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE ANY CORRECTIONS OR ADDITIONAL DATA, AS MAY BE REQUIRED, TO THE SATISFACTION OF THE OWNER AND PROJECT ENGINEER. FINAL APPROVAL OF THESE RECORD PLANS BY THE OWNER AND THE PROJECT ENGINEER WILL BE A REQUIREMENT PRIOR TO THE RELEASE OF FINAL PAYMENT.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROLS AS REQUIRED TO PREVENT SOIL EROSION AND SEDIMENTATION, AT NO ADDITIONAL COST TO THE
- 22. EROSION CONTROL MEASURES SHALL BE REMOVED AND THE DISTURBED AREAS RESTORED TO THEIR PRE-CONSTRUCTION CONDITION WHEN SUCH MEASURES ARE NO LONGER REQUIRED.
- DAMAGE DURING ALL PHASES OF CONSTRUCTION.

INCLUDING STABILIZATION TO MAINTAIN EXISTING FLOW PATTERNS.

- SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY PERMIT NO. GP-0-20-001 SHALL BE USED TO MINIMIZE SOIL EROSION DURING THE COURSE OF CONSTRUCTION.

SOIL EROSION & SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016). (REFERRED TO IN REMAINING TEXT AS "THE NEW YORK GUIDFLINES")
- ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. THE DISTURBED

THIS PLAN IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND THE NYS DEC

- AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK GUIDELINES, AS FOLLOWS: A) SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS./ACRE OTHER SELECT
- MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES
- IF: PRING, SUMMER OR EARLY FALL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE. IF: LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "ARUOSTOOK" WINTER
- RYE. AT 100 LBS. (CEREAL RYE) PER ACRE. MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO TONS PER ACRE. TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK GUIDELINES. WOODFIBER HYDROMULEN OR OTHER SPRAYABLE PRODUCTS APPROVED FOR
- EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN FIVE (5) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT **VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:** A) STEEP OR EROSION SLOPES GREATER THAN 2"1 (H:V) REFER TO PERMANENT
- CRITICAL AREA PLANTING NOTES. RECREATIONAL AREAS AND LAWN REFER TO RECREATIONAL AREA
- SLOPES STEEPER THAN ONE ON THREE (H:V) SHALL BE STABILIZED IMMEDIATELY AFTER PAVED ROADWAYS SHALL BE KEPT CLEAR AND CLEAN OF DEBRIS AT ALL TIMES.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION OR SEDIMENT CONTROL FACILITIES. **EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS. ALL GRADE AREA SHALL BE** DIRECTED THROUGH ONE OF THE SEDIMENTS BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS
- 10. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A COMBINATION OF SILT FENCE AND A HAY BALE BARRIER IN ACCORDANCE WITH THE DETAIL.
- 12. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAIN BY THE TRAINED CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL
- BARRIERS ARE INTACT 13. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION

AND SEDIMENTATION CONTROL MEASURES.

14. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

### **GENERAL SEWAGE DISPOSAL SYSTEM NOTES:**

- 1. THERE SHALL BE NO DEVIATION FROM THESE PLANS DURING CONSTRUCTION WITHOUT PRIOR APPROVAL OF A LICENSED DESIGN PROFESSIONAL (PREFERABLY THE DESIGN ENGINEER OF RECORD) AND THE COLUMBIA COUNTY DEPARTMENT OF HEALTH
- 2. THE MATERIALS AND SPECIFICATIONS NOTED ON THE PLANS MUST BE UTILIZED UNLESS ALTERNATIVES ARE ACCEPTABLE AND APPROVED IN WRITING BY A LICENSED
- PROFESSIONAL AND CCDOH REPRESENTATIVE PRIOR TO EXCAVATING, CONSULT THE UNDERGROUND FACILITIES PROTECTIVE
- ORGANIZATION. 4. THE ELECTRICAL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THIS PLAN MUST
- BE CERTIFIED BY THE NYS BOARD OF UNDERWRITERS CONTRACTOR SHALL PROVIDE EROSION CONTROL DEVICES AS REQUIRED 6. ALL MINIMUM SEPARATION DISTANCES SHALL BE MET AS PER CCDOH STANDARDS, UNLESS OTHERWISE NOTED.
- CAP ALL LATERAL ENDS. 8. PRIOR TO CONSTRUCTION THE SDS SHALL BE STAKED OUT BY A NEW YORK STATE
- LICENSED LAND SURVEYOR.

### ON-SITE SEWAGE DISPOSAL SYSTEM NOTES:

- 1. SANITARY FACILITIES MAY BE CONSTRUCTED ONLY AFTER APPROVAL HAS BEEN GRANTED BY THE CCDOH. THESE FACILITIES SHALL NOT BE PLACED IN OPERATION UNTIL A CCDOH CERTIFICATE HAS BEEN ISSUED. CONTACT THE APPROPRIATE CCDOH REPRESENTATIVE REGARDING THE PROCEDURES INVOLVED.
- 2. A LICENSED DESIGN PROFESSIONAL SHALL SUPERVISE SYSTEM INSTALLATION; CERTIFY CONSTRUCTION IN ACCORDANCE WITH THE APPROVED PLAN AND FURNISH
- "AS-BUILT" PLAN PRIOR TO CCDOH CERTIFICATION. 3. INSPECTIONS OF SANITARY FACILITY CONSTRUCTION SHALL BE CONDUCTED JOINTLY

### LICENSED DESIGN PROFESSIONAL AND CCDOH REPRESENTATIVE:

A) PRIOR TO BACKFILLING DISPOSAL SYSTEM COMPONENTS

- B) AFTER ADJUSTMENT OF THE PUMP OR SIPHON CHAMBER, IF REQUIRED. 4. ANY EXISTING OR PROPOSED WATER SUPPLY OR SEWAGE TREATMENT FACILITIES MUST BE SHOWN WITHIN A TWO HUNDRED (200) FOOT RADIUS OF THE PROPOSED FACILITIES
- 5. NO ROOF, FLOOR, FOOTING, COOLING WATER, SOFTENER BACKWASH, ETC. SHALL BE CONNECTED TO THE SEWAGE DISPOSAL SYSTEM AND ALL DISCHARGES SHALL BE DIRECTED AWAY FROM THE TREATMENT AREA.
- 6. THIS SEWAGE DISPOSAL SYSTEM HAS BEEN DESIGNED ON THE ASSUMPTION THAT A GARBAGE (GRINDER) DISPOSAL UNIT WILL NOT BE INSTALLED AND THAT THE ADDITION OF SUCH A UNIT WOULD REQUIRE MODIFICATION OF THE SEPTIC SYSTEM.
- 7. NO VEHICULAR PARKING OR TRAFFIC SHALL BE ALLOWED ON ANY PORTION OF THE SEWAGE TREATMENT SYSTEM, EXCEPT AS NOTED.
- 8. THE APPROVED SEWAGE DISPOSAL SYSTEM AREA AND AN AREA ONE HUNDRED (100) FEET DOWNSLOPE SHALL REMAIN UNDISTURBED EXCEPT AS NECESSARY FOR INSTALLATION OF THE SYSTEM.
- 9. THE OWNER OR DEVELOPER SHALL FURNISH THE PURCHASER OF A LOT DEPICTED ON THIS PLAN WITH A COPY OF THE APPROVED PLAN, OR IF CONSTRUCTED, AN ACCURATE AS-BUILT PLAN DEPICTING INSTALLED FACILITIES.

### ADDITIONAL SEWAGE DISPOSAL SYSTEM NOTES:

- THE SEWAGE DISPOSAL SYSTEM AREA, SHALL BE CORDONED OFF BY THE CONTRACTOR TO PREVENT THE OPERATION OF TRUCKS AND OR MACHINERY OR STORAGE OF HEAVY EQUIPMENT, BUILDING EQUIPMENT, OR EXCAVATED EARTH IN
- SAID AREA. THE COLUMBIA COUNTY HEALTH DEPARTMENT APPROVAL IS BASED ON THE LOCATION OF THE SEWAGE SYSTEM, WELL, BUILDING, SETBACKS, ROADS AND DRIVEWAYS AS SHOWN HEREON. ANY MODIFICATION OR REVISIONS ARE TO HAVE
- PRIOR COLUMBIA COUNTY HEALTH DEPARTMENT APPROVAL THE CONDITIONS NOTED HEREON AND WITHIN THE COLUMBIA COUNTY HEALTH DEPARTMENTS APPROVAL LETTER ARE AN INTEGRAL PART OF THIS APPROVAL AND
- COMPLIANCE IS REQUIRED. OCCUPANCY OF ANY STRUCTURE SHOWN HEREON WILL NOT BE PERMITTED UNTIL CERTIFICATION OF THE SEWAGE DISPOSAL SYSTEM TO THE COLUMBIA COUNTY HEALTH DEPARTMENT HAS BEEN ACCEPTED BY SAME, AND AN APPROVAL BY THE HEALTH DEPARTMENT HAS BEEN FORWARDED TO THE BUILDING INSPECTOR OF THE

### **EXPANSION AREA NOTE:**

TOWN OF NEW LEBANON.

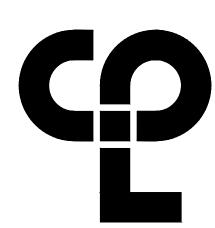
IN THE EVENT THAT THE 100% EXPANSION AREA IS REQUIRED, IT WILL BE REQUIRED TO FOLLOW ALL STIPULATIONS STATED IN SHEETS C-202 & DETAILS SHOWN ON C-800. THE EXPANSION AREA WILL NEED TO FOLLOW THE FILL DEPTH (3') SHOWN IN THE SDS DESIGN

### **GENERAL DEMOLITION NOTES**

- 1. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et seq.), AS AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO
- 2. THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION ONLY OF ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES
- ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS 3. CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS. OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT IN WRITING PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF
- THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
- A. OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION
- B. NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT,
- 72 HOURS PRIOR TO THE START OF WORK.
- C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE. D. CONTACTING 811 DIG SAFE FOR UTILITY MARKOUT IN ADVANCE OF ANY EXCAVATION.
- E. LOCATING AND PROTECTING ALL UTILITIES AND SERVICES. INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF
- F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED **DURING ALL DEMOLITION ACTIVITIES.**
- G. ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES
- H. COORDINATION WITH OWNER REGARDING WORKING DURING NON-SCHOOL HOURS OR ON WEEKENDS AS MAY BE

HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY

- REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE DURING THESE TIMES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SLICH MATERIALS.
- CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SAFE AND SYSTEMATIC MANNER FOLLOWING ALL THE OSHA REQUIREMENTS TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
- THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. CONTRACTOR MUST USE
- NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNER'S
- STRUCTURAL OR GEOTECHNICAL ENGINEER 8. CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS. AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND GUIDANCE IN THE GEOTECHNICAL REPORT (CREATED BY OTHERS). BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE
- DRAINAGE. 9. BLASTING OR THE USE OF EXPLOSIVES IS PROHIBITED.
- 10. CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL
- REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY RIGHT-OF-WAY. 11. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH
- ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
- 12. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION.
- 13. THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR
- "PRE-DEMOLITION" CONDITION. 14. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
- 15. CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY, WHICH INCLUDES, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM
- AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY. 16. THE DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE FEDERAL LOCAL AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST
- COMPLY WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE. 17. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO
- THE OWNER UPON REQUEST. 18. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATES THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER. AND TURNED OVER TO THE OWNER UPON COMPLETION OF THE



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PROJECT INFORMATION

Project Number 16509.00

No. Date

SUN KINDERHOOK, LLO

Project Address

COUNTY ROUTE 28, KINDERHOOK NY 12106

SUN UNCHARTED KINDERHOO

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

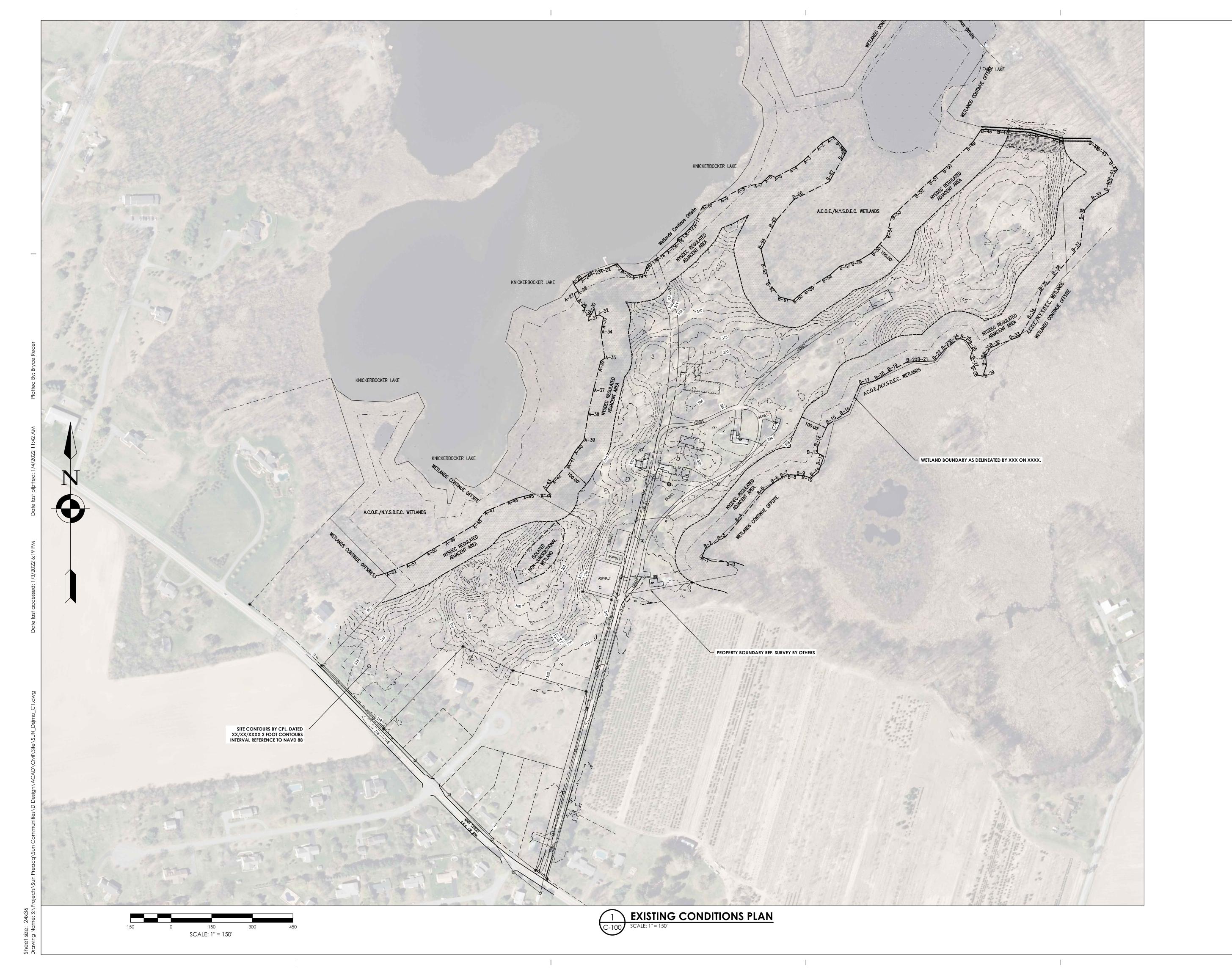
NEW YORK STATE EDUCATION STATEME

BGR Drawing Title

SHEET INFORMATION Issued Scale 01/03/2021 AS NOTED Project Status PLANNING BOARD REVIEW Drawn By

Drawing Number

GENERAL NOTES





PROJECT INFORMATION

16509.00

Project Address

SUN KINDERHOOK, LLC

COUNTY ROUTE 28, KINDERHOOK NY 12106

SUN UNCHARTED KINDERHOOK

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

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NEW YORK STATE EDUCATION STATEMENT

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ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM
BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING
PARTY SHALL AFFAT TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY "FOLLOWED
THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF

ALLANION.

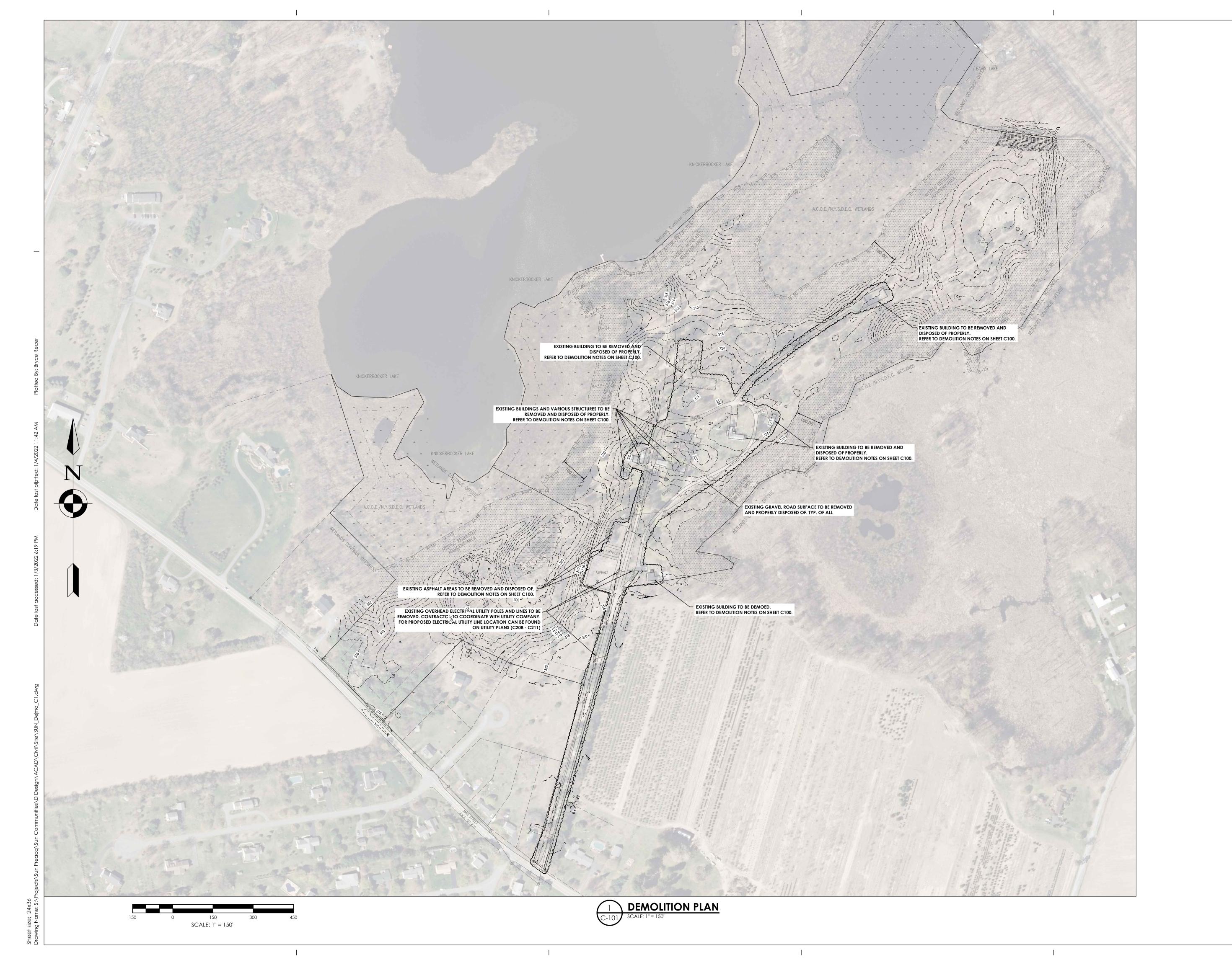
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PLANNING BOARD REVIEW
Drawn By Chec
BGR AL

Drawing Title
EXISTING CONDITIONS PLAN

Drawing Number Revision N

SUN C100



CPL | Architecture Engineering Planning
64 Green St. Suite 1
Hudson, NY 12534

CPLteam.com

PROJECT INFORMATION

Project Number 16509.00

Project Address

SUN KINDERHOOK, LLC

ect Name

SUN UNCHARTED KINDERHOOK

COUNTY ROUTE 28, KINDERHOOK NY 12106

PROJECT ISSUE & REVISION SCHEDULE

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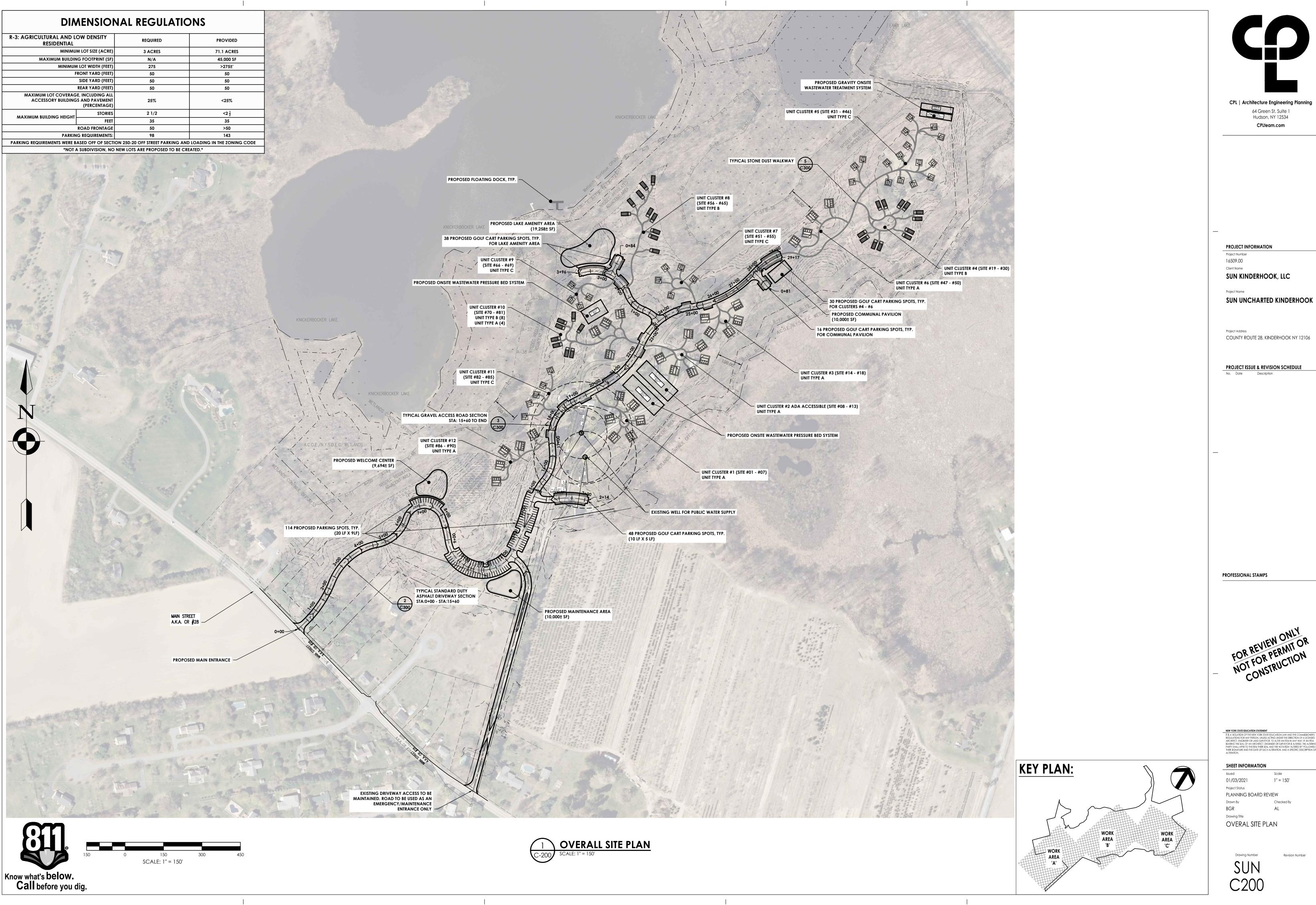
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Drawing Title
DEMOLITION PLAN

Drawing Number

Revision Numbe

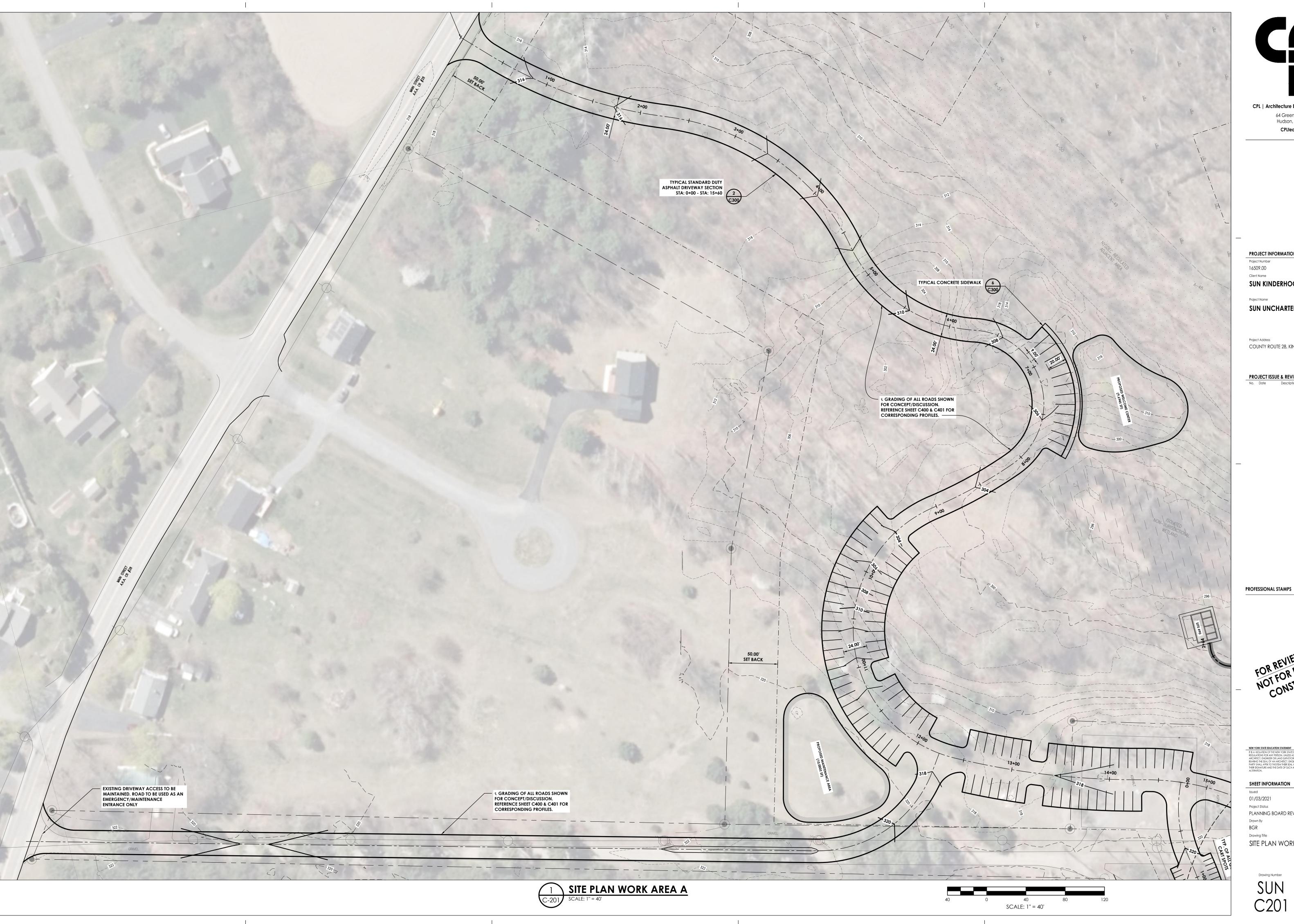
SUN C101



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PROJECT INFORMATION

16509.00

SUN KINDERHOOK, LLC

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Project Address COUNTY ROUTE 28, KINDERHOOK NY 12106

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

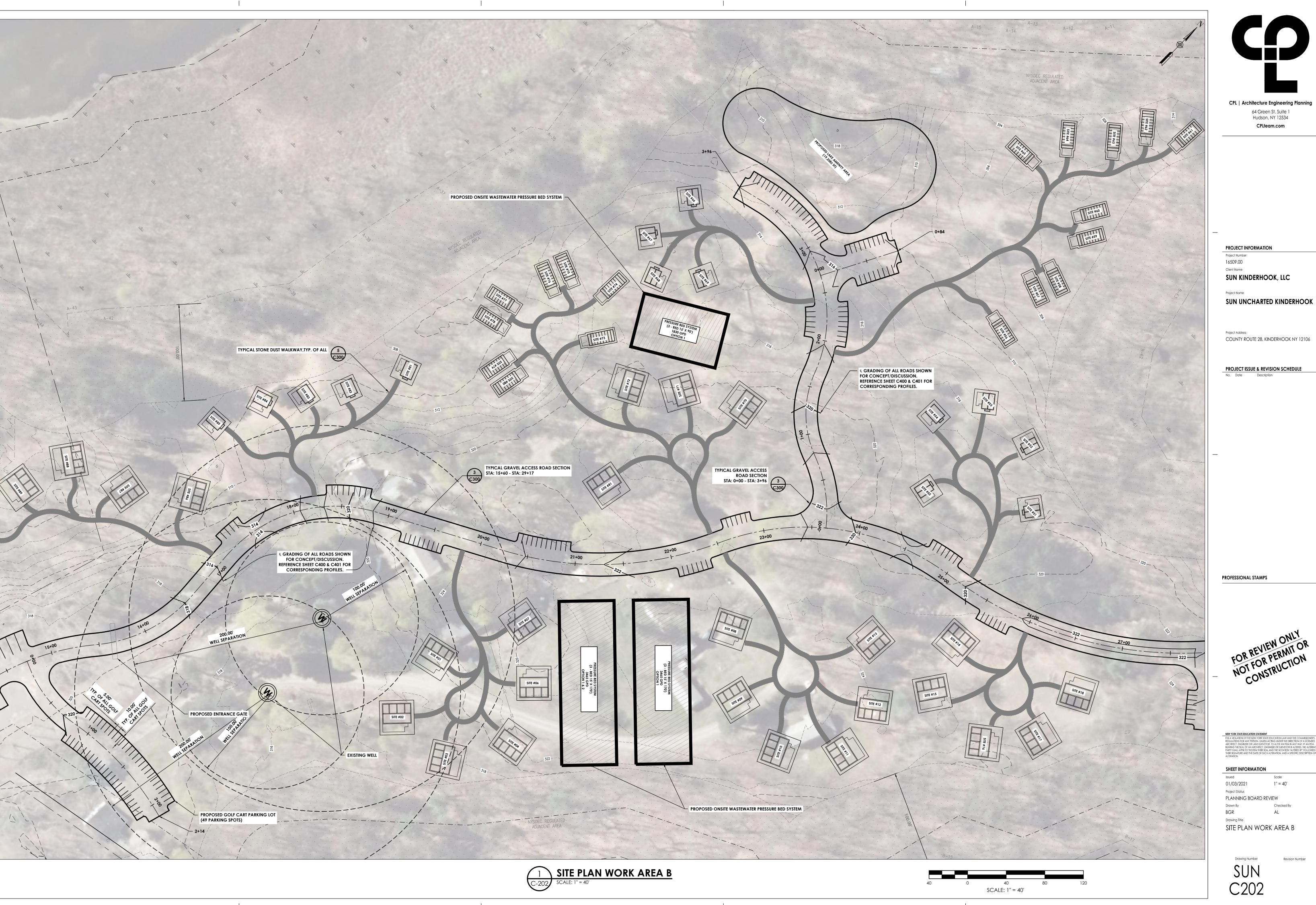
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01/03/2021 1" = 40' Project Status

PLANNING BOARD REVIEW

SITE PLAN WORK AREA A

Drawing Number SUN C201





PROJECT INFORMATION

16509.00

SUN KINDERHOOK, LLC

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

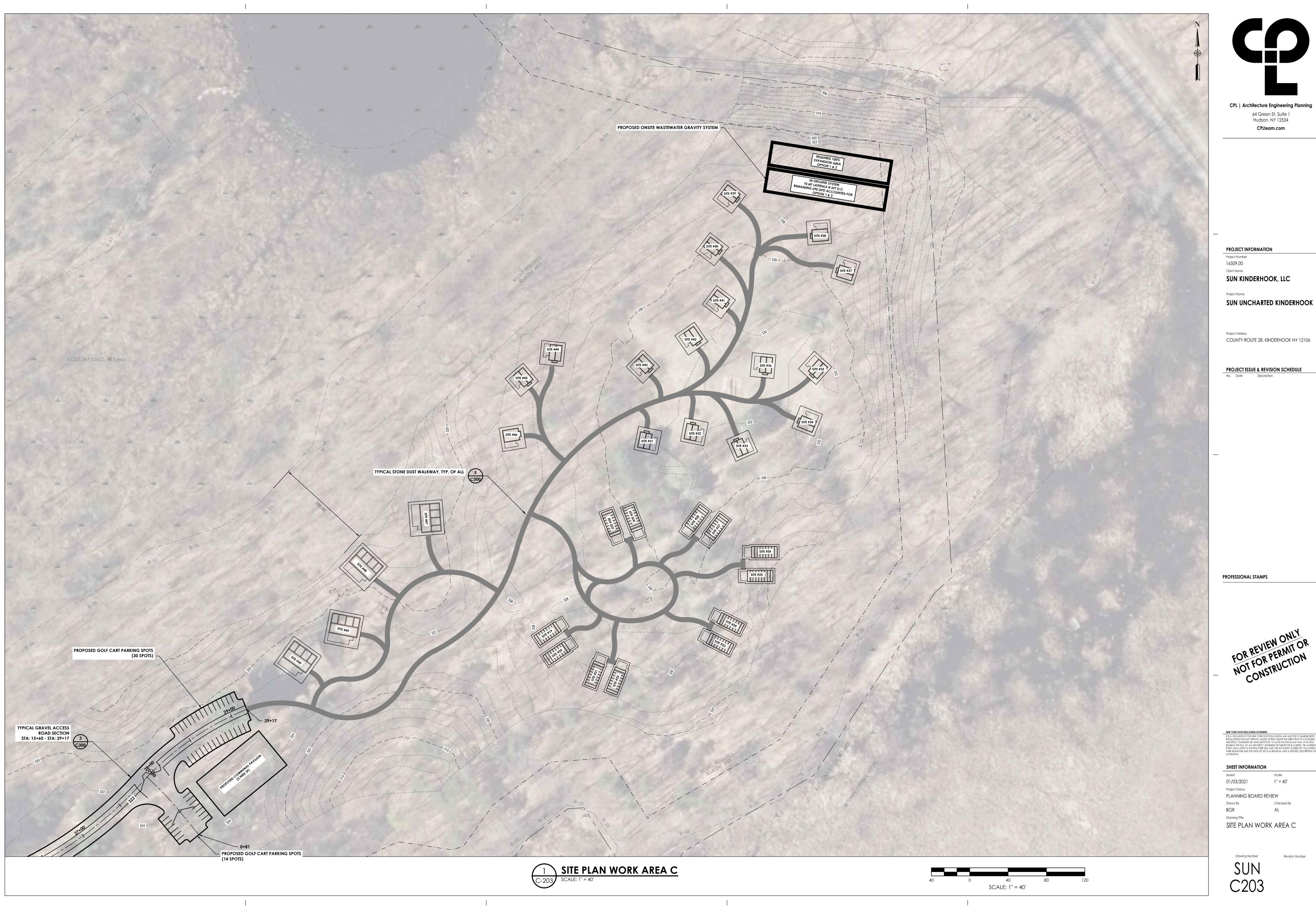
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01/03/2021 1" = 40' Project Status PLANNING BOARD REVIEW

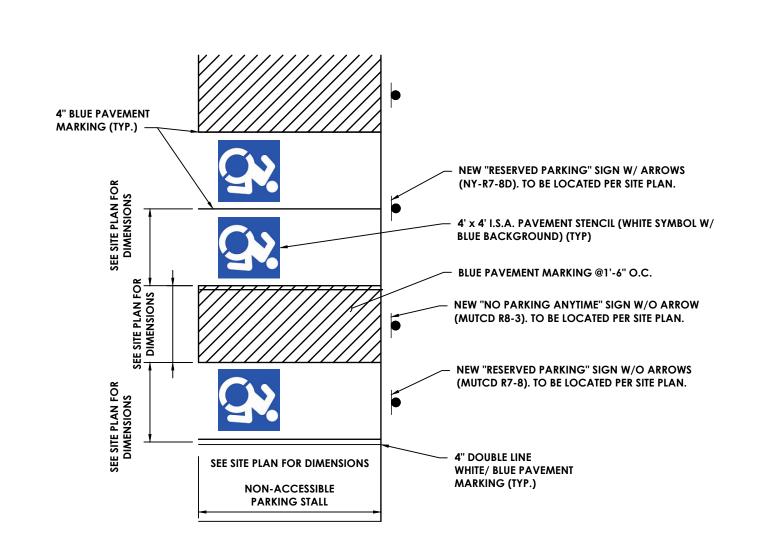
Drawing Title SITE PLAN WORK AREA B

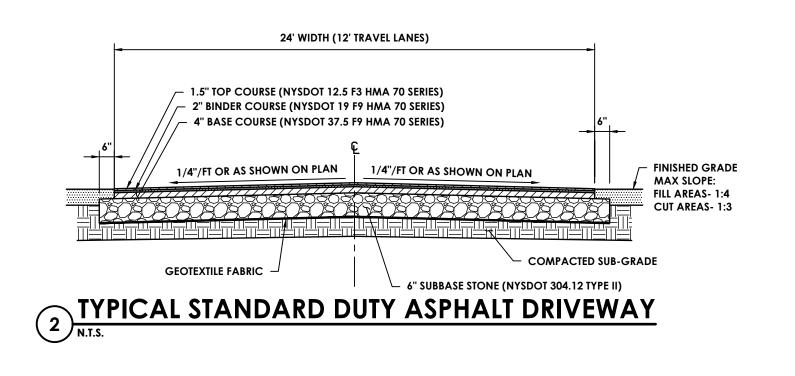
Drawing Number

SUN C202



SITE PLAN WORK AREA C





1. ALL TOP COURSE PAVEMENT AND FINAL STRIPING SHALL BE PLACED ONLY AFTER COMPLETION OF ALL SITE WORK UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING TEMPORARY PAVEMENT MARKINGS ON TOP OF BINDER COURSE. ALL STRUCTURES,

2. CONTRACTOR SHALL FIELD VERIFY IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, THE DEPTH

AND SUITABILITY OF EXISTING GRANULAR MATERIAL FOR REUSE AS GRANULAR MATERIAL IN

3. ALL ASPHALT PAVING SHALL MEET THE LINES AND GRADES AS SHOWN ON THE CONTRACT PLANS.

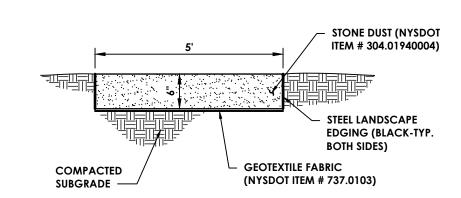
PROPOSED ASPHALT SECTIONS. OWNER'S REPRESENTATIVE DETERMINATION SHALL BE FINAL AND

RIMS, AND GRATES SHALL BE PROTECTED WITH TEMPORARY ASPHALT BINDER.

24'-0" **→** 1/4" /FT. 1/4" /FT. ——— 6" OF COMPACTED GEOTEXTILE 9" GRANULAR BACKFILL (NYSDOT TYPE 2 SUBBASE COURSE ITEM # 733-1302) — (NYSDOT ITEM # 304.12)

# TYPICAL GRAVEL ACCESS ROAD SECTION N.T.S.

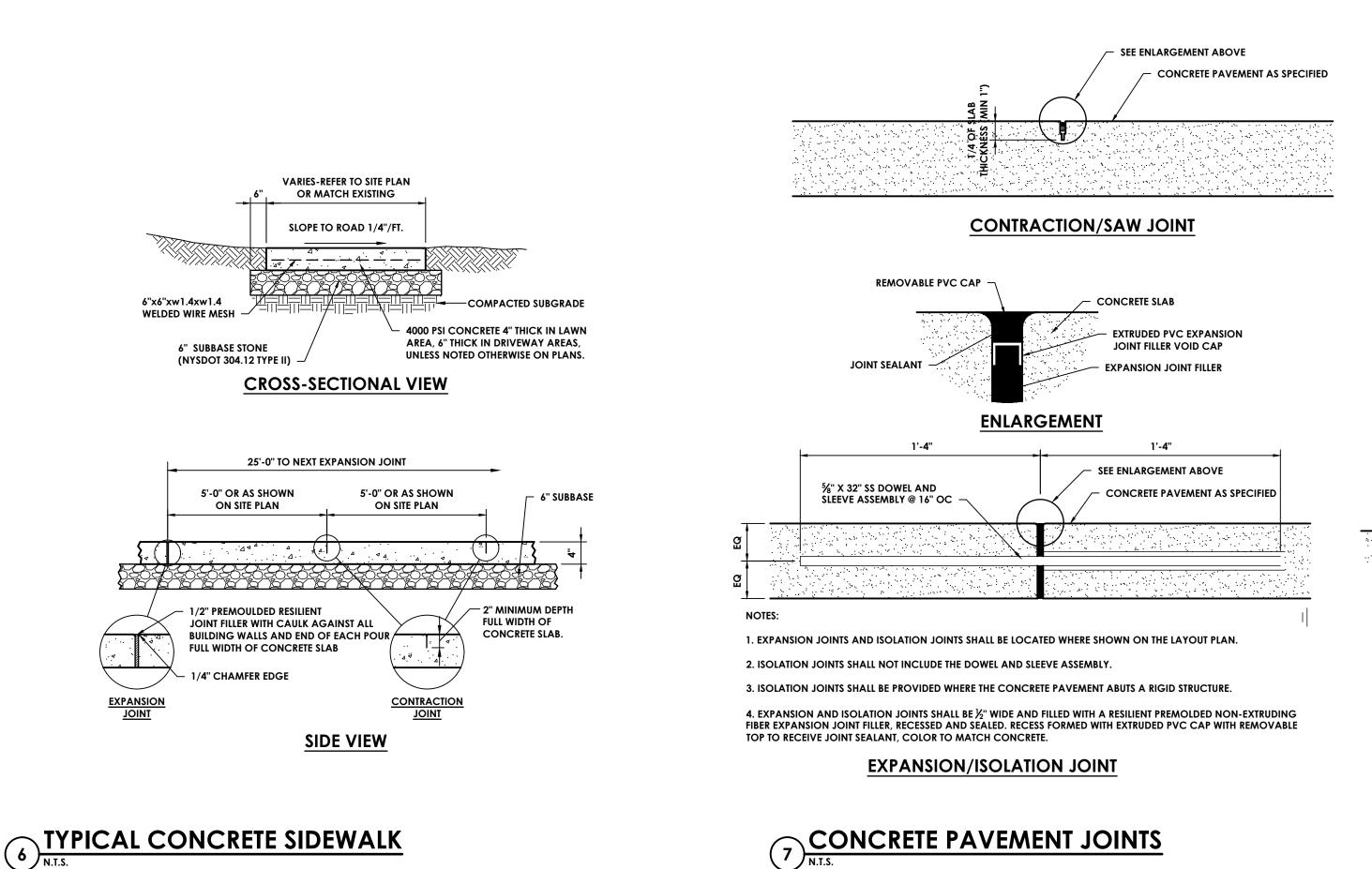
1. TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 15" MINIMUM.

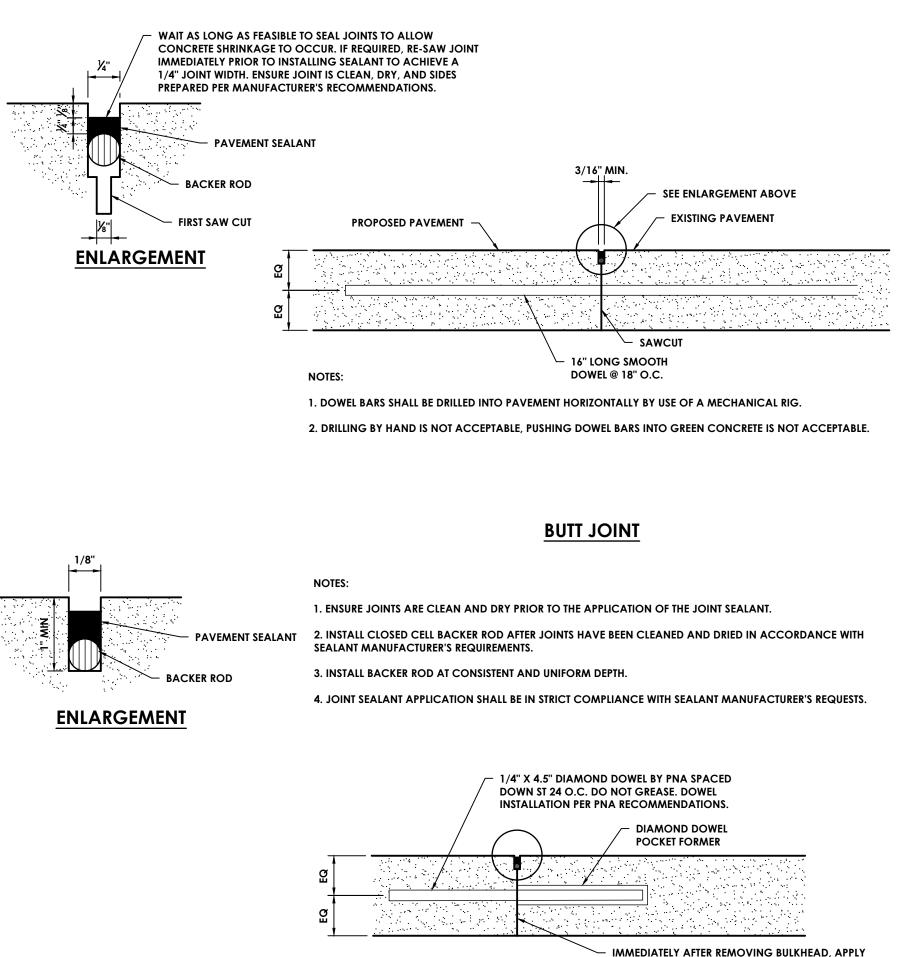


# TYPICAL ACCESSIBLE PARKING STRIPING N.T.S.

## TYPICAL ASPHALT PAVEMENT & STRIPING NOTES

# TYPICAL STONE DUST WALKWAY N.T.S.





**CONSTRUCTION JOINT** 

**CURING COMPOUND TO PAVEMENT VERTICAL EDGE** AT A COVERAGE RATE OF 300 SF MAX PER GALLON

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Hudson, NY 12534

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Project Number 16509.00

SUN KINDERHOOK, LLC

Project Name SUN UNCHARTED KINDERHOOK

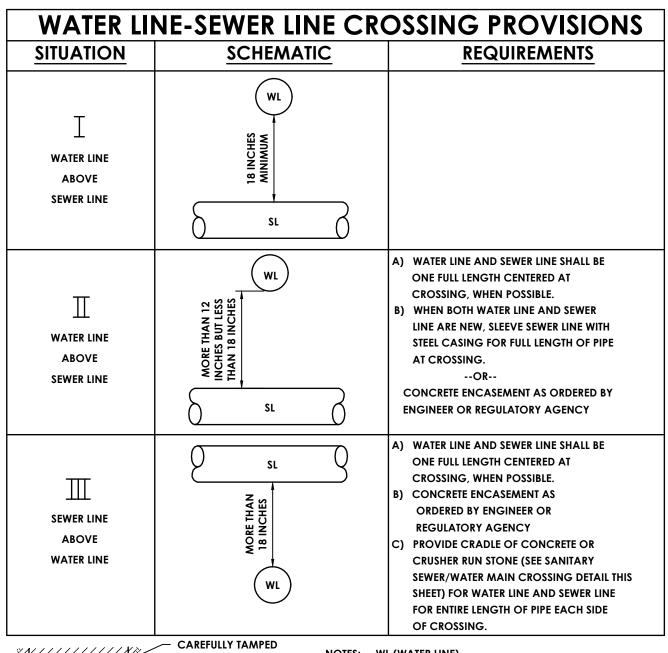
Project Address COUNTY ROUTE 28, KINDERHOOK NY 12106

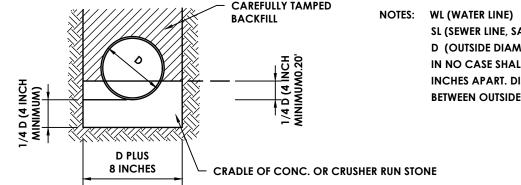
**PROJECT ISSUE & REVISION SCHEDULE** 

PROFESSIONAL STAMPS

SHEET INFORMATION

Issued Scale 01/03/2021 AS NOTED Project Status PLANNING BOARD REVIEW Drawn By BGR Drawing Title DETAILS -





SL (SEWER LINE, SANITARY OR STORM)

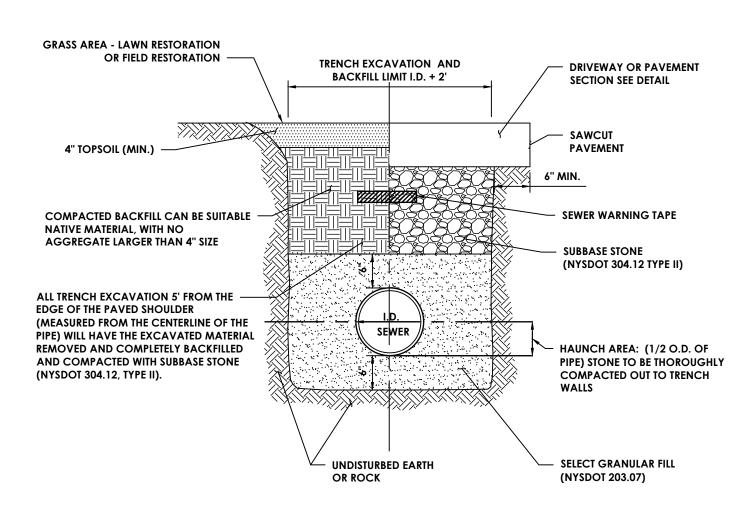
D (OUTSIDE DIAMETER OF PIPE)

IN NO CASE SHALL PIPE BE CLOSER THAN 12

INCHES APART. DISTANCES ARE MEASURED

BETWEEN OUTSIDES OF PIPE.

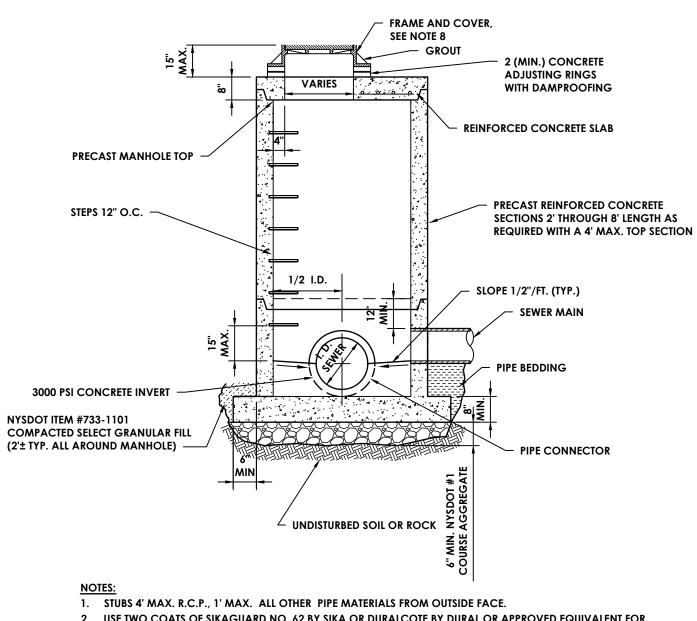
TYPICAL SANITARY SEWER - WATER MAIN CROSSING



## NOTES:

- 1. CONTRACTOR TO PROVIDE SAFE EXCAVATION; SLOPE TRENCH WALLS, USE TRENCH BOX, OR SHEETING & BRACING PER OSHA SPECIFICATIONS. TRENCH BOX OR SHEETING AND BRACING TO BE LIFTED ABOVE THE SPRING LINE OF PIPE BEFORE BACKFILLING ABOVE SPRING LINE
- 2. PAVEMENT BACKFILL AND RESTORATION REQUIREMENTS SHALL APPLY TO WORK PERFORMED UNDER PROPOSED ROADWAYS.
- 3. BACKFILL OF SUITABLE MATERIAL SHALL BE COMPACTED IN 6" LIFTS.
- 4. ALL DISTURBED AREAS SHALL BE MULCHED OR HAVE TURF ESTABLISHMENT WITHIN 10 DAYS IF IN A GRASS AREA.





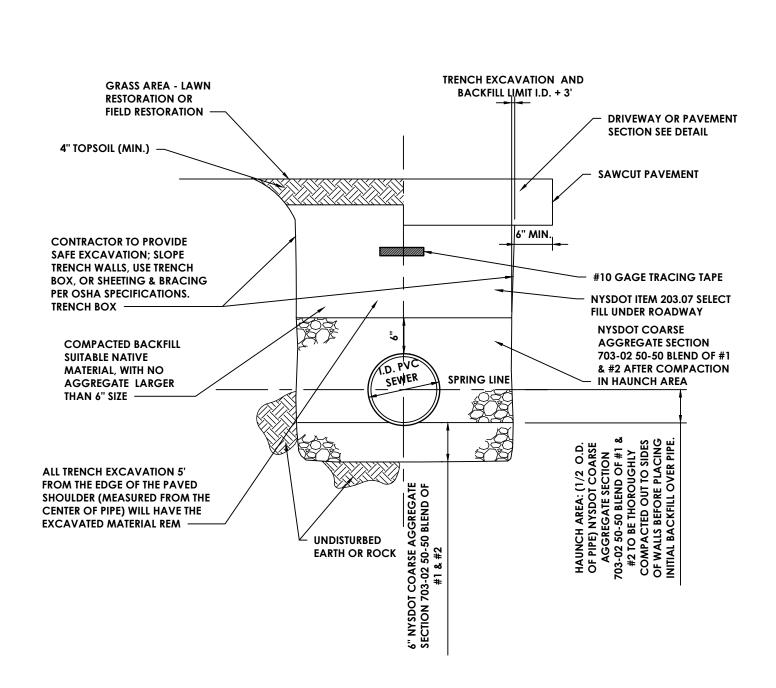
- SIGBS 4 MAX. R.C.F., I MAX. ALL OTHER FIFE MATERIALS FROM OUTSIDE FACE.
   USE TWO COATS OF SIKAGUARD NO. 62 BY SIKA OR DURALCOTE BY DURAL OR APPROVED EQUIVALENT FOR INTERIOR COATING OF BASE TO TOP OF HIGHEST PIPE. USE TWO COATS OF KOPPERS SUPER SERVICE BLACK OR
- APPROVED EQUIVALENT ON OTHER INTERIOR AND ALL EXTERIOR SURFACES.

  3. ALL RISER JOINTS SHALL BE RUBBER RING GASKETS CONFORMING TO A.S.T.M. C443 WITH FLEXIBLE JOINT SEALER ON OUTSIDE OF JOINTS.
- 4. PIPE CONNECTIONS TO MANHOLE BASE SHALL BE BELL WALL FITTINGS FOR R.C.P. WITH STEEL RING JOINTS. FOR ALL OTHER PIPES USE PRESS-SEAL CAST-A-SEAL 12-08 CAST IN BOOT OR PSX DIRECT DRIVE CONNECTOR.

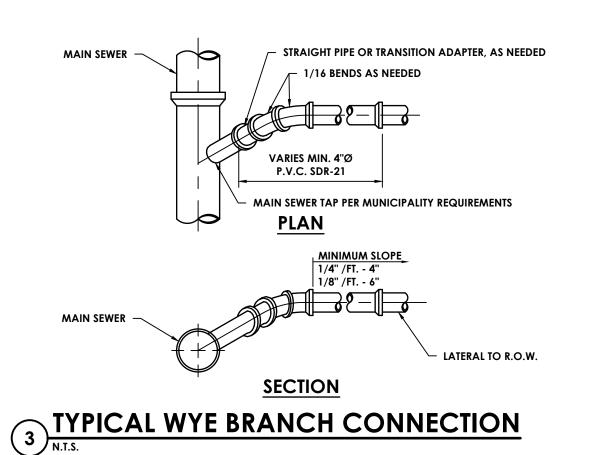
  CONNECTION SHALL BE CROUTED AND ALL SUBFACES COATED.
- CONNECTION SHALL BE GROUTED AND ALL SURFACES COATED.

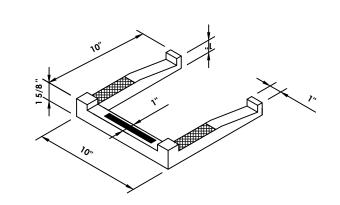
  5. PRECAST BASES, RISER SECTIONS AND TOP SLABS SHALL CONFORM WITH A.S.T.M. C478.
- 6. CORED OPENINGS IN MANHOLE RISER SECTIONS SHALL NOT BE LESS THAN 6" FROM A RISER JOINT.
- MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED FOR USE UNDER H-20 LOADING.
   REQUIRE 24" I.D. FRAME AND COVER, NEENAH R-1713, OR APPROVED EQUAL.
- 9. ALL WORK FOR PRECAST SANITARY MANHOLES SHALL BE PAID FOR UNDER SANITARY PRECAST MANHOLE ITEMS.
  WORK INCLUDES EXCAVATION AND BACKFILL.

# TYPICAL PRECAST SANITARY MANHOLE N.T.S.



# TYPICAL SANITARY FORCE MAIN TRENCH 8 N.T.S.

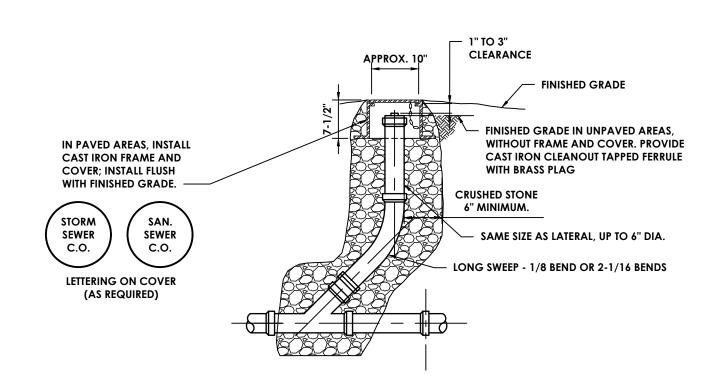




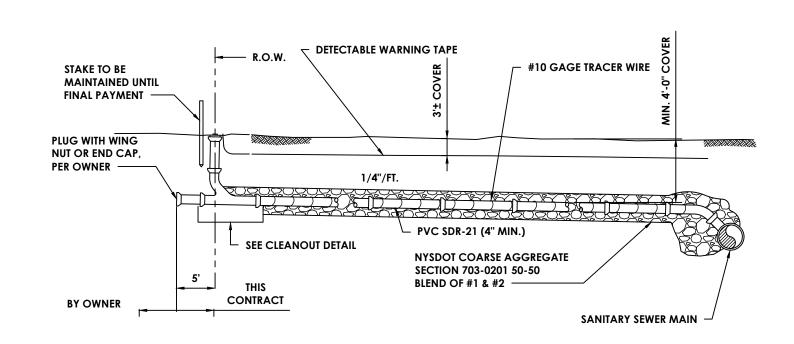
NOTES:

- STEPS FOR DRAINAGE STRUCTURES SHALL CONFORM TO N.Y.S.D.O.T. MATERIAL SPECIFICATION 725-02.01. THE COST OF THE STEPS SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLES.
- 2. STEPS TO BE PLACED IN STRUCTURES GREATER THAN 4 FEET IN DEPTH.

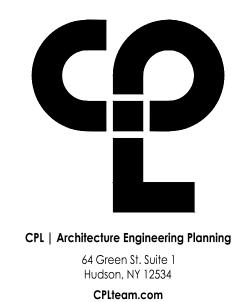
## MANHOLE STEP



# 7 TYPICAL SEWER CLEAN-OUT



## TYPICAL SANITARY SEWER LATERAL



PROJECT INFORMATION

Project Number 16509.00

Client Name
SUN KINDERHOOK, LLC

Project Name

SUN UNCHARTED KINDERHOOK

Project Address
COUNTY ROUTE 28, KINDERHOOK NY 12106

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

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SHEET INFORMATION

Drawing Title

DETAILS - 2

Issued Scale

01/03/2021 AS NOTED

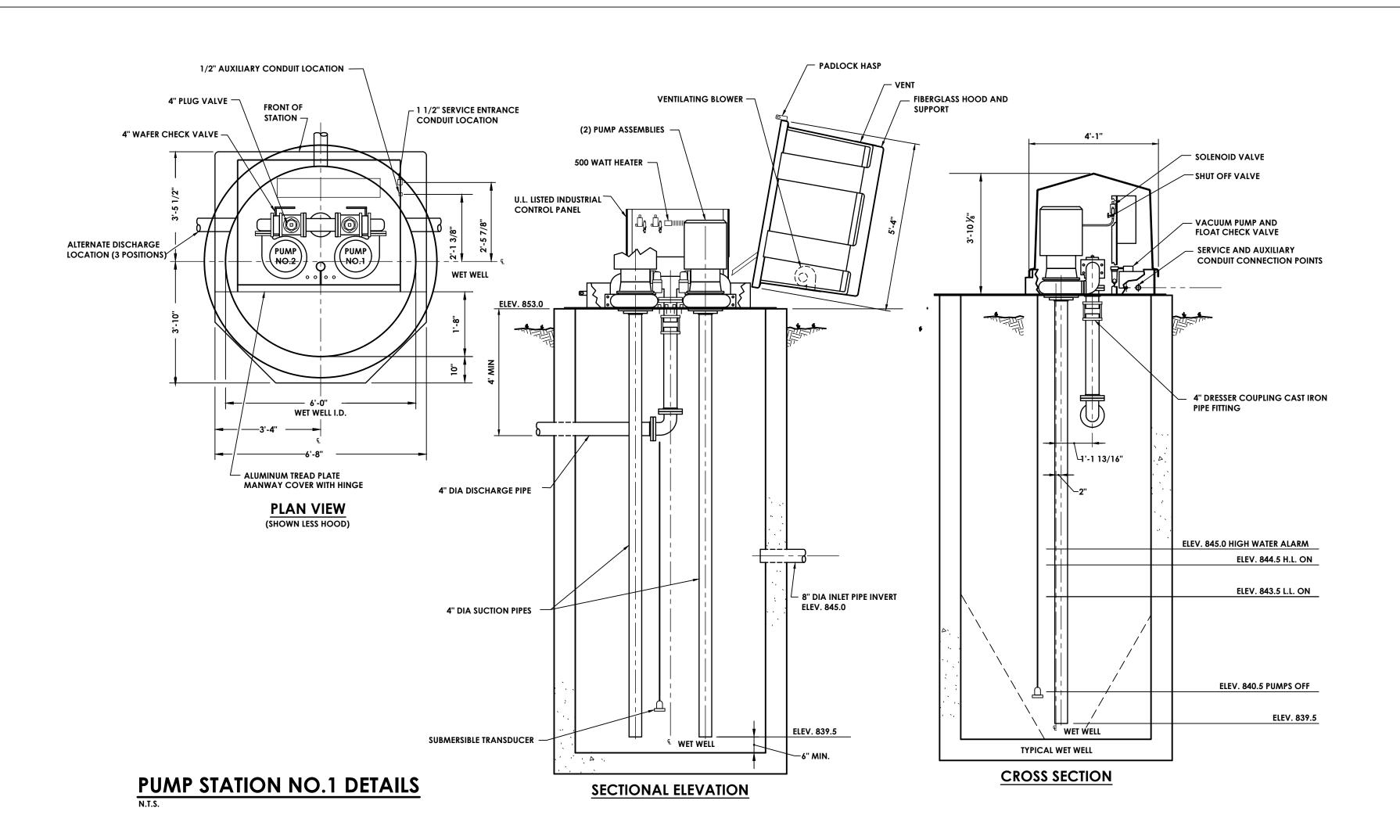
Project Status

PLANNING BOARD REVIEW

Drawn By Checked By

BGR XXX

SUN C301





PROJECT INFORMATION

Project Number 16509.00

SUN KINDERHOOK, LLC

Project Name SUN UNCHARTED KINDERHOOK

Project Address COUNTY ROUTE 28, KINDERHOOK NY 12106

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

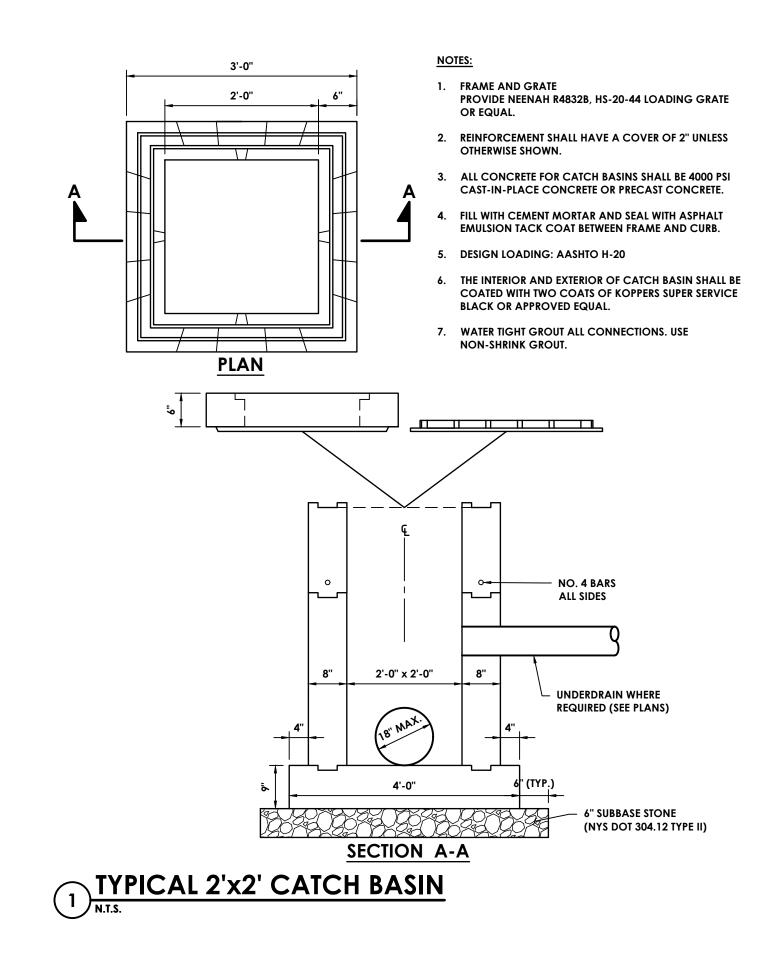
NEW YORK STATE EDUCATION STATEMENT

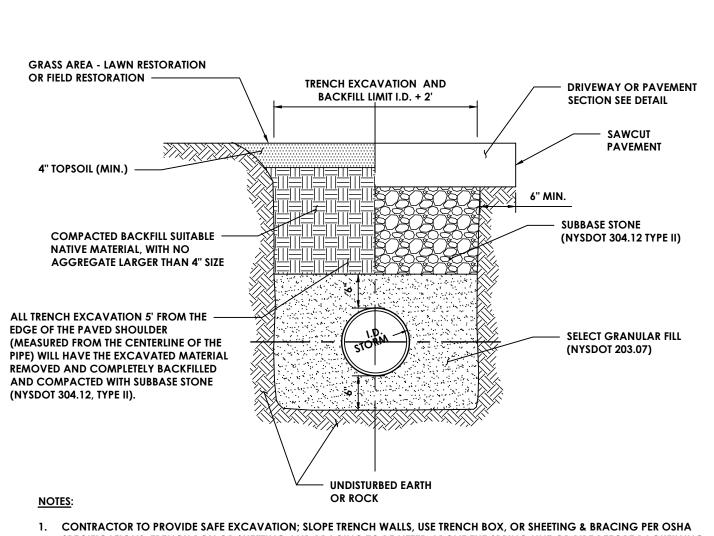
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Drawing Title DETAILS - 3



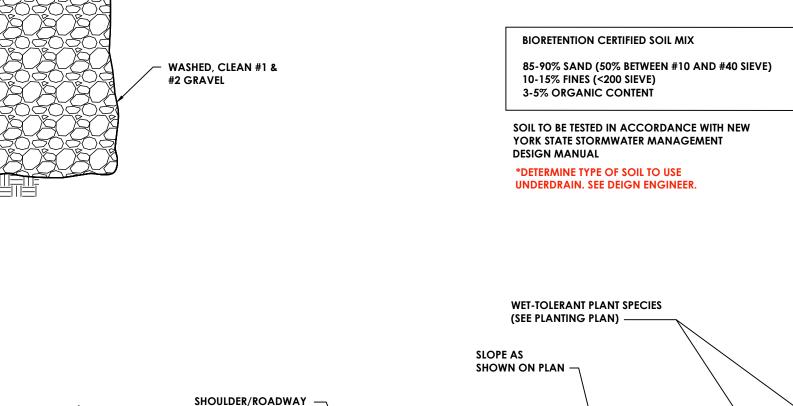


- SPECIFICATIONS. TRENCH BOX OR SHEETING AND BRACING TO BE LIFTED ABOVE THE SPRING LINE OR PIPE BEFORE BACKFILLING ABOVE SPRING LINE.
- 2. PAVEMENT BACKFILL AND RESTORATION REQUIREMENTS SHALL APPLY TO WORK PERFORMED UNDER PROPOSED ROADWAYS.
- 3. ALL WORK FOR STORM SEWER TRENCHING SHALL BE INCLUDED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO TRENCHING, EXCAVATION AND ALL BACKFILL. NO ADDITIONAL PAYMENTS WILL BE MADE FOR BACKFILL.

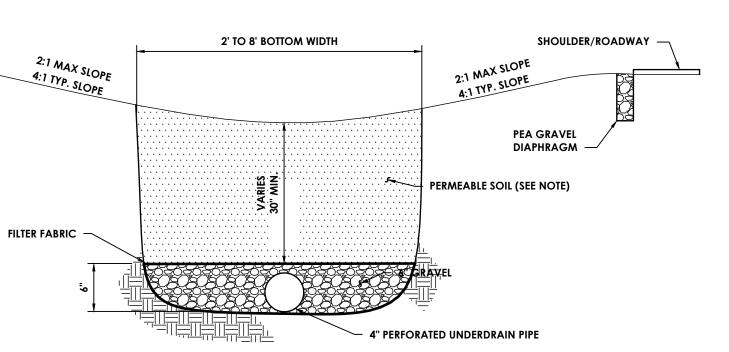
TYPICAL STORM SEWER TRENCH

5 N.T.S.

OUTLET STRUCTURE (OS-1)



**PAVEMENT** 



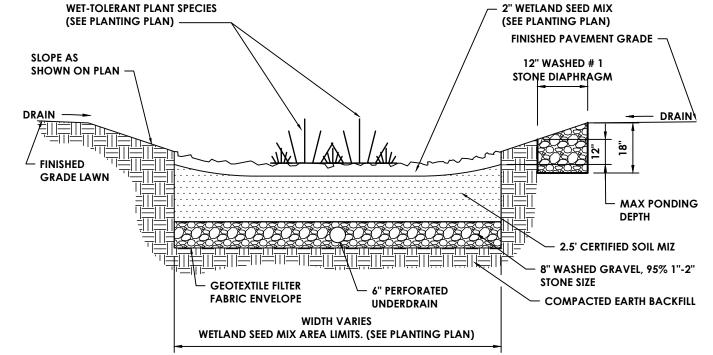
AS NOTED ON SITE PLAN

SLOPE AWAY FROM PAVEMENT AS SHOWN

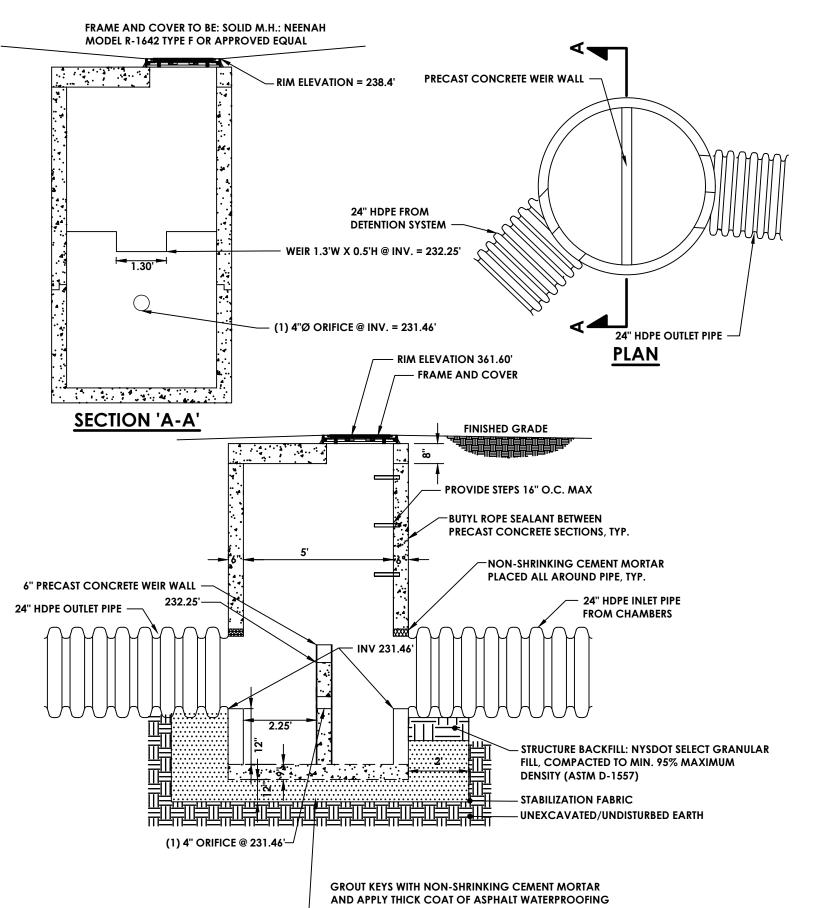
2 STONE DIAPHRAGM

ON GRADING PLAN —

PERMEABLE SOIL SHALL BE A SANDY LOAM, LOAMY SAND, LOAM OR A LOAM/SAND MIX. THE CLAY CONTENT SHALL BE LESS THAN 25% BY VOLUME. A PERMEABILITY OF AT LEAST 1.0 FEET/DAY (0.5"/HR) IS REQUIRED. THE SOIL SHALL BE FREE OF STONES, STUMPS, ROOTS AND OTHER WOODY MATERIAL. SOIL SHALL BE PLACED IN LIFTS OF 12" TO 18" AND LOOSELY COMPACTED (BACKHOE BUCKET).







PROFESSIONAL STAMPS

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Hudson, NY 12534

CPLteam.com

PROJECT INFORMATION

SUN KINDERHOOK, LLC

SUN UNCHARTED KINDERHOOK

COUNTY ROUTE 28, KINDERHOOK NY 12106

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BGR Drawing Title DETAILS - 4

Drawing Number

MANHOLE STEPS ARE REQUIRED FOR ANY STRUCTURE DEEPER THAN 4 FT. MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED FOR USE UNDER ANY H -20 LOADING. 3. MANHOLE FRAME AND GRATE/COVER TO BE: INLET M.H.: NEENAH MODEL R-2556 OR APPROVED EQUAL. SOLID M.H.: NEENAH MODEL R-1642 TYPE F OR APPROVED EQUAL. COURSES OF BRICKS TO MEET GRADE 1/2" MORTAR OUTSIDE OF BRICKWORK -REINFORCEMENT AS FURNISHED WITH PRECAST UNIT. PRECAST REINFORCED CONCRETE MANHOLE UNITS (4,000 PSI CONFORMS TO ASTM C478 —BUTYL O-RING @ EACH JOINT —SEE UTILITY PLAN FOR PIPE SIZE, ORIENTATION & INVERT(S). PROVIDE HOLE FOR LINKSEAL

∠ MONOLITHIC CONCRETE

TYPICAL STORM SEWER MANHOLE

6
N.T.S.

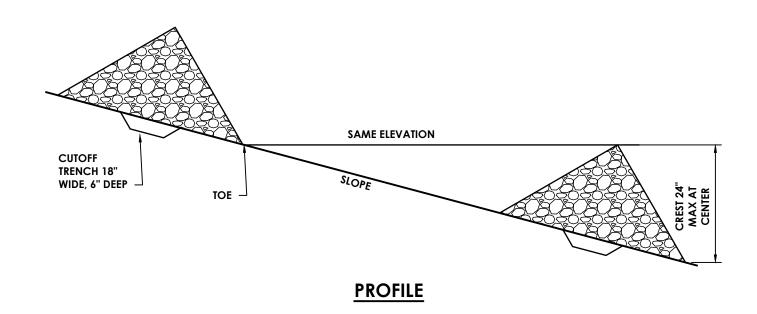
BACKFILL WITH

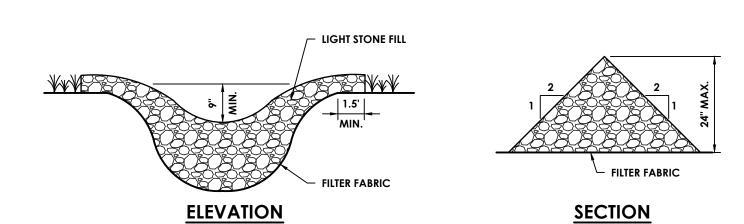
SUITABLE

**EXCAVATED** MATERIAL -

34 1/2" MANHOLE FRAME

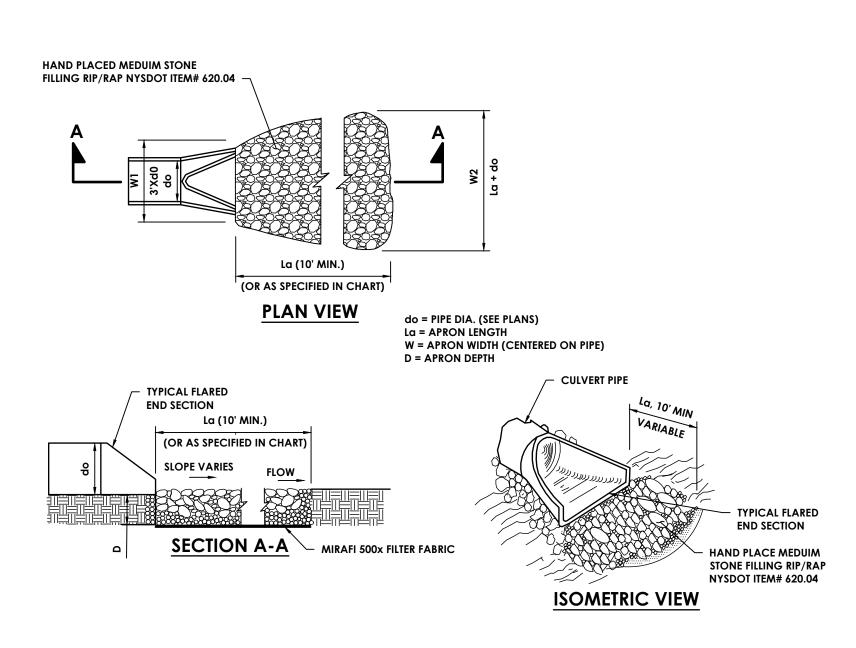
PRECAST MANHOLE FLAT TOP —— - STEPS 16" O.C. MAX. SEE UTILITY PLAN





### **SPECIFICATIONS:**

- 1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE
- 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM. 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR
- 5. ENSURE THAT THE CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.



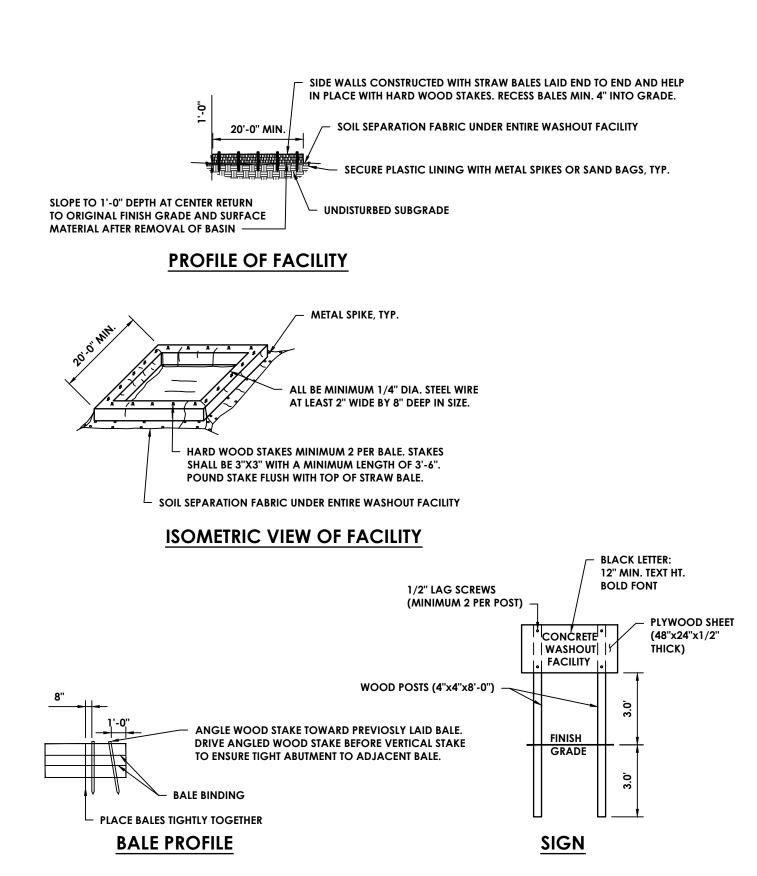
RIP RAP SIZING CHART					
PIPE DIA.	W1 - MINIMUM	W2 - MINIMUM	La - MINIMUM	D - MINIMUM	
12"	3'	11'	10'	13.5"	
18"	4.5'	11.5'	10'	13.5"	
24"	6'	12'	10'	13.5"	
36"	9'	12.5	10'	13.5"	

1. d = 1.5 TIMES THE MAXIMUM STONE BUT NO LESS THAN 6".

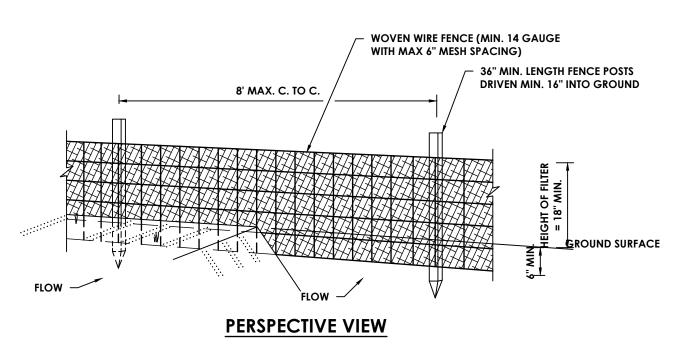
RIP-RAP OUTLET PROTECTION DETAIL

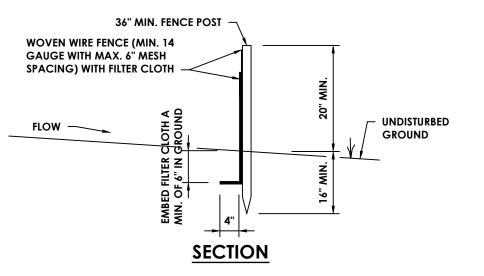
N.T.S.

2. INSTALL FILTER MIRAFI 500x OR APPROVED EQUAL FILTER FABRIC BETWEEN RIP-RAP AND SUBGRADE.



# 2 CONCRETE TRUCK WASHOUT



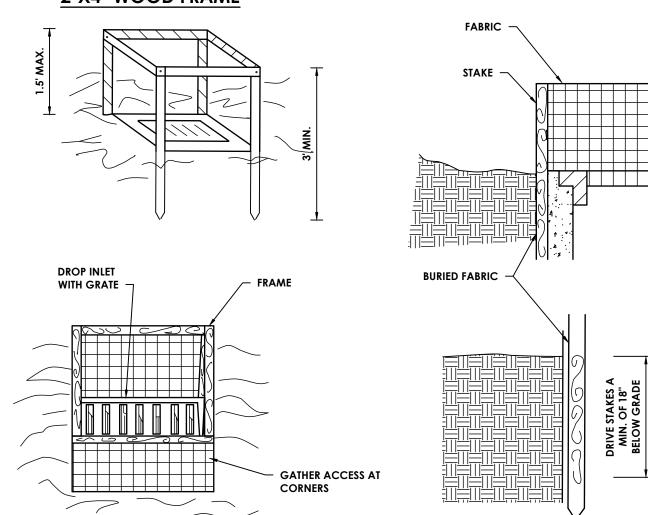


## **CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIRES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR
- HARDWOOD. 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH
- TIES SPACED EVERY 24" AT TOP OF MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY
- SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
- 4. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL
- REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE



## 2"X4" WOOD FRAME

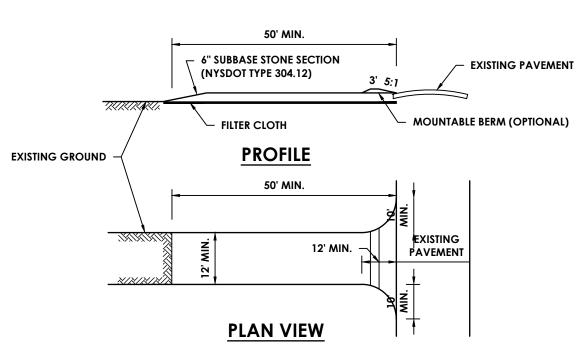


## CONSTRUCTION SPECIFICATIONS

- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS. 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO
- 3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET. 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN
- 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED
- TO THE STAKES AND FRAME. 6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- \*MAXIMUM DRAINAGE AREA 1 ACRE

# FILTER FABRIC DROP INLET PROTECTION N.T.S.

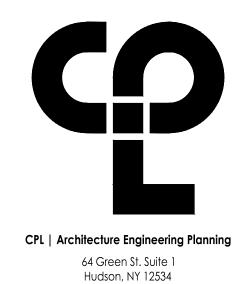
3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.



## **CONSTRUCTION NOTES:**

- 1. STONE SIZE USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY)
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES
- 4. WIDTH TWELEVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- 5. GEOTEXTILE WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWATD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTIVAL, A MOUNTABLE BERM WITH 5% SLOPES WILL BE PERMITTED.
- MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

# STABILIZED CONSTRUCTION ENTRANCE/DRIVEWAY



CPLteam.com

PROJECT INFORMATION

Project Number 16509.00

SUN KINDERHOOK, LLC

Project Address

COUNTY ROUTE 28, KINDERHOOK NY 12106

SUN UNCHARTED KINDERHOOK

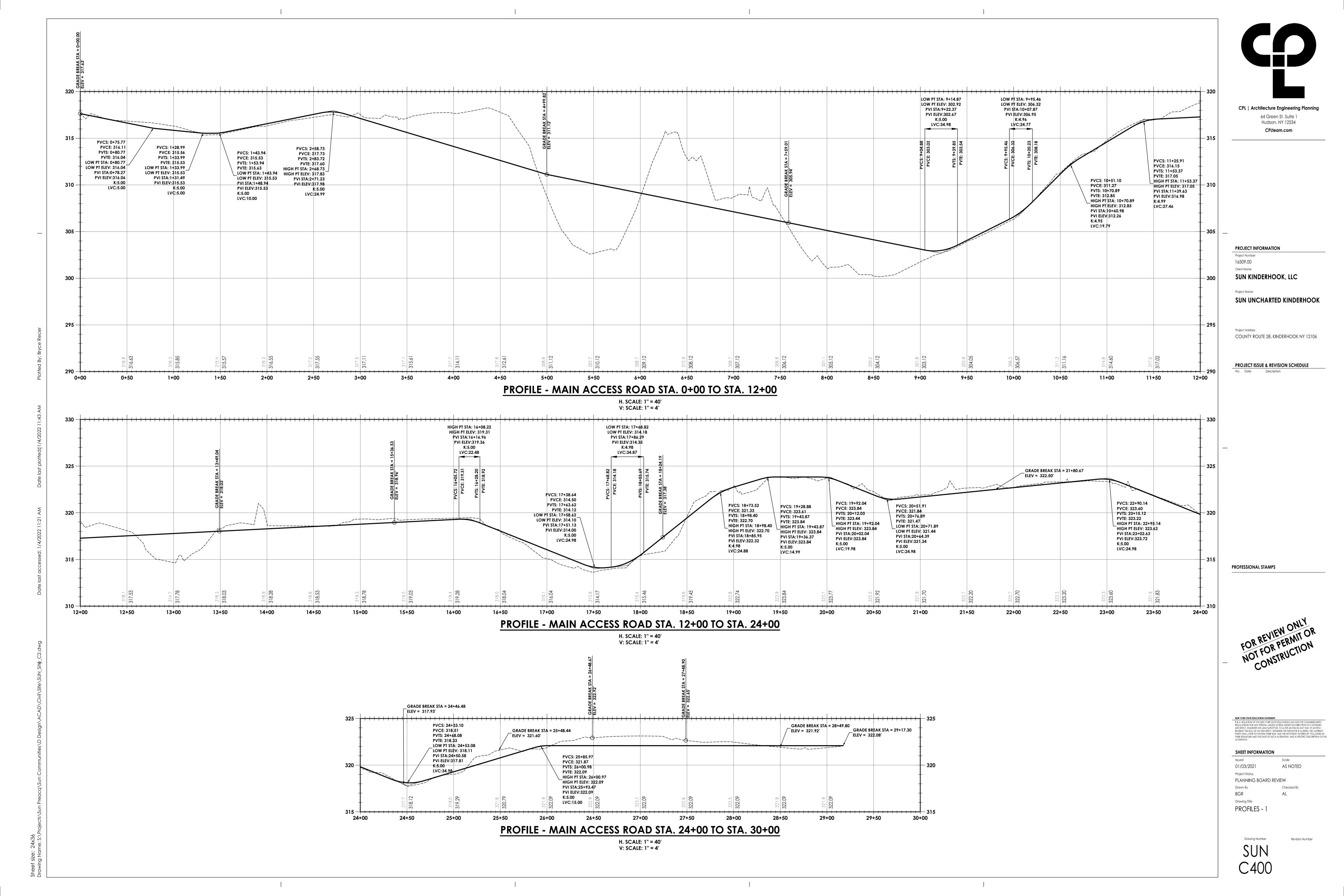
PROJECT ISSUE & REVISION SCHEDULE

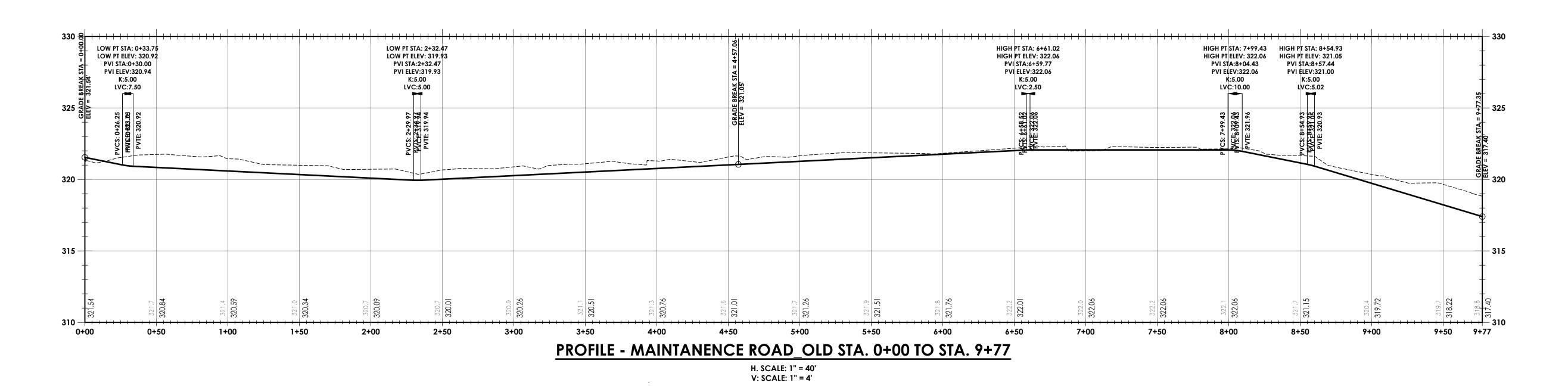
PROFESSIONAL STAMPS

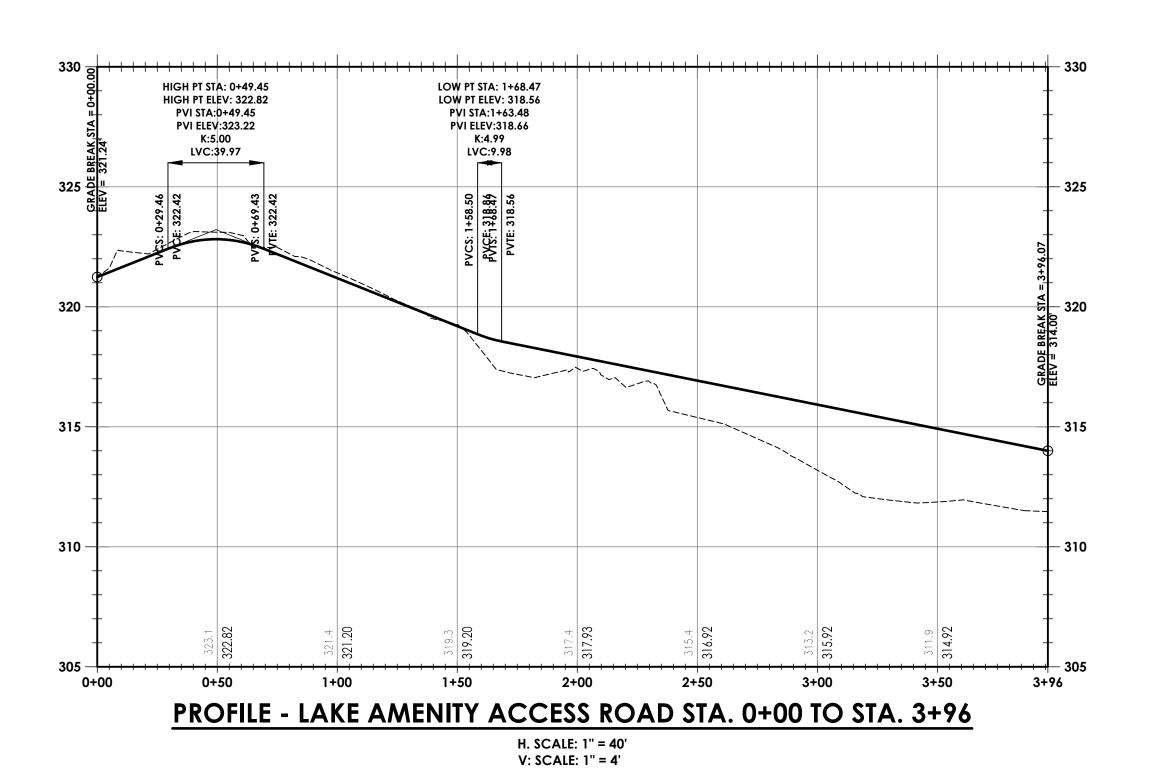
SHEET INFORMATION

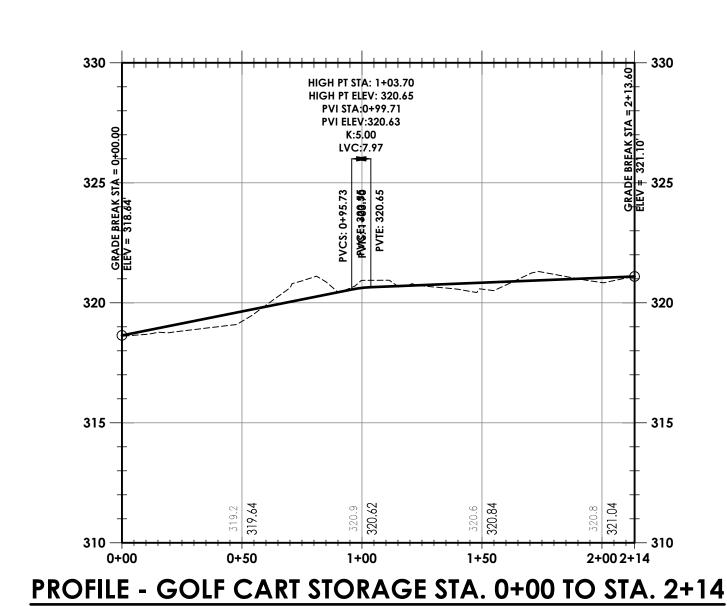
DETAILS - 5

Issued Scale 01/03/2021 **AS NOTED** Project Status PLANNING BOARD REVIEW Drawn By BGR Drawing Title

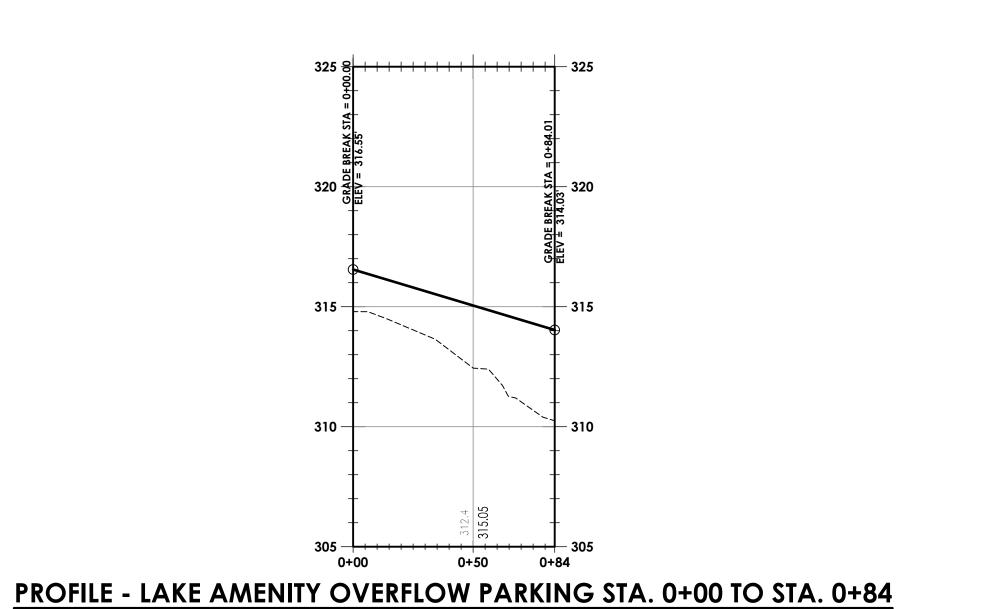




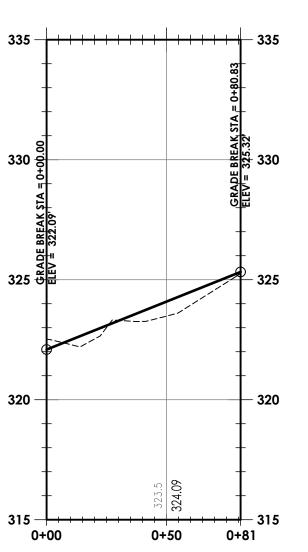




H. SCALE: 1" = 40' V: SCALE: 1" = 4'



H. SCALE: 1" = 40' V: SCALE: 1" = 4'



PROFILE - PAVILLION OVERFLOW PARKING STA. 0+00 TO STA. 0+81

H. SCALE: 1" = 40'
V: SCALE: 1" = 4'



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SUN KINDERHOOK, LLC

Project Name

COUNTY ROUTE 28, KINDERHOOK NY 12106

SUN UNCHARTED KINDERHOOK

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

FOR REVIEW ONLY
NOT FOR PERMIT OR
CONSTRUCTION

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Issued Scale
01/03/2021 AS NOTED
Project Status
PLANNING BOARD REVIEW
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BGR AL

Drawing Title
PROFILES - 2

Revision Number

SUN C401